STREAM DISCHARGE IN MICHIGAN--MISCELLANEOUS MEASUREMENTS

By D.J. Holtschlag and D.V. Eagle

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ABSTRACT

This report contains 17,607 miscellaneous discharge measurements made at 2,897 sites. An average of 515 measurements were made per year between 1960 and 1984; most were made from April through October. Miscellaneous measurements include periodic and occasional measurements of streamflow at sites where systematic records are unavailable.

INTRODUCTION

Miscellaneous discharge measurements include periodic and occasional measurements of streamflow at sites where systematic records are unavailable. Miscellaneous measurements provide information about flow characteristics, in a time- and cost-effective manner, at sites where nearby concurrent gaging-station records are available for comparison. Miscellaneous measurements aid in determining changes in discharge along a stream course, low-flow characteristics, and affects of flow diversions and augmentations.

This report is a compilation of 17,607 miscellaneous measurements available at 2,897 sites through September 1984. Some previously published measurements (Knutilla, 1974; Water-Data Reports for Michigan, 1971-1984) are included.

An average of 515 miscellaneous measurements were made per year between 1960 to 1984, although the number varied considerably each year (fig. 1). Few measurements were made prior to 1940. Most discharge measurements were made during the April through October growing season (fig. 2); 50 percent were made in the 4-month July to October period. The number of measurements at each site varies from 1 to 120 (fig. 3); three or fewer measurements were made at 64 percent of the sites while 10 or more measurements were made at 17 percent of the sites. Sites of miscellaneous measurements are shown in figures 4 and 5.

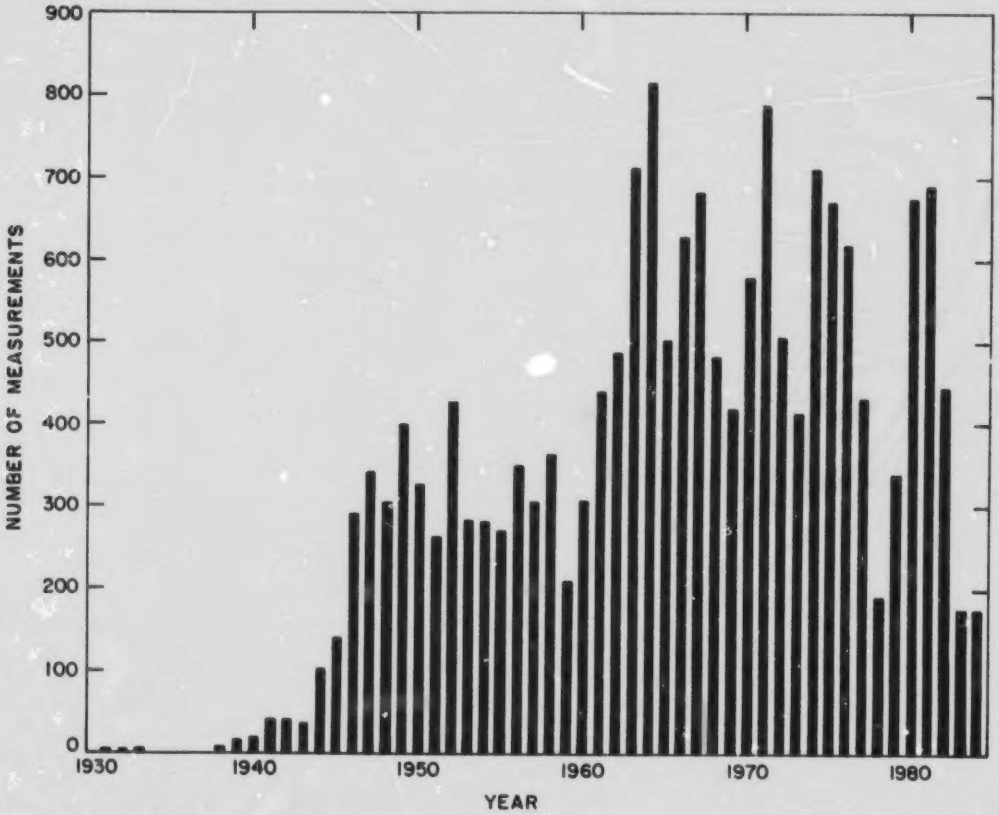
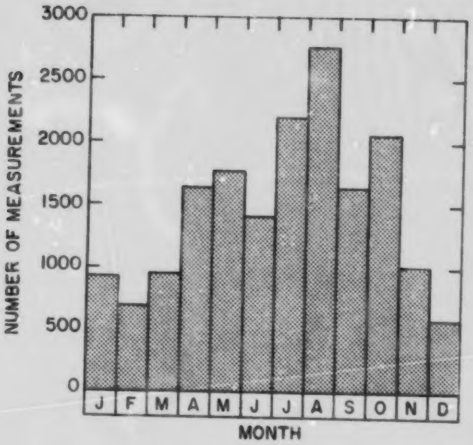


Figure 1.--History of miscellaneous discharge measurements in Michigan.

Figure 2.--Annual distribution of miscellaneous measurements.



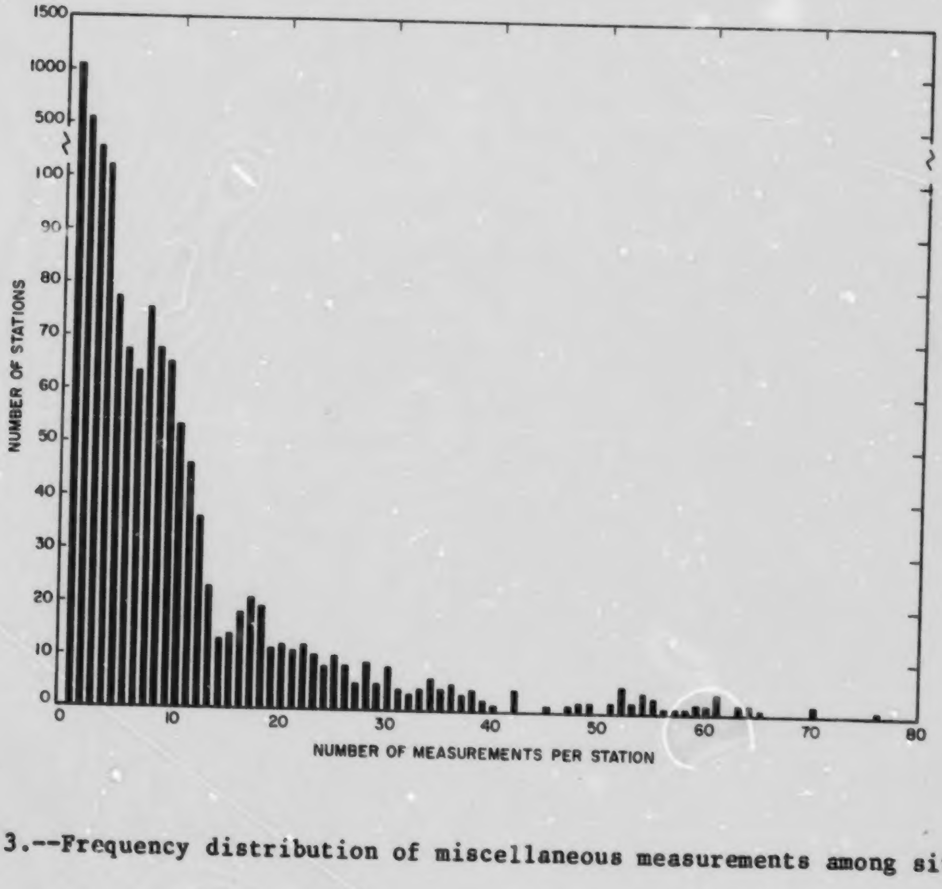
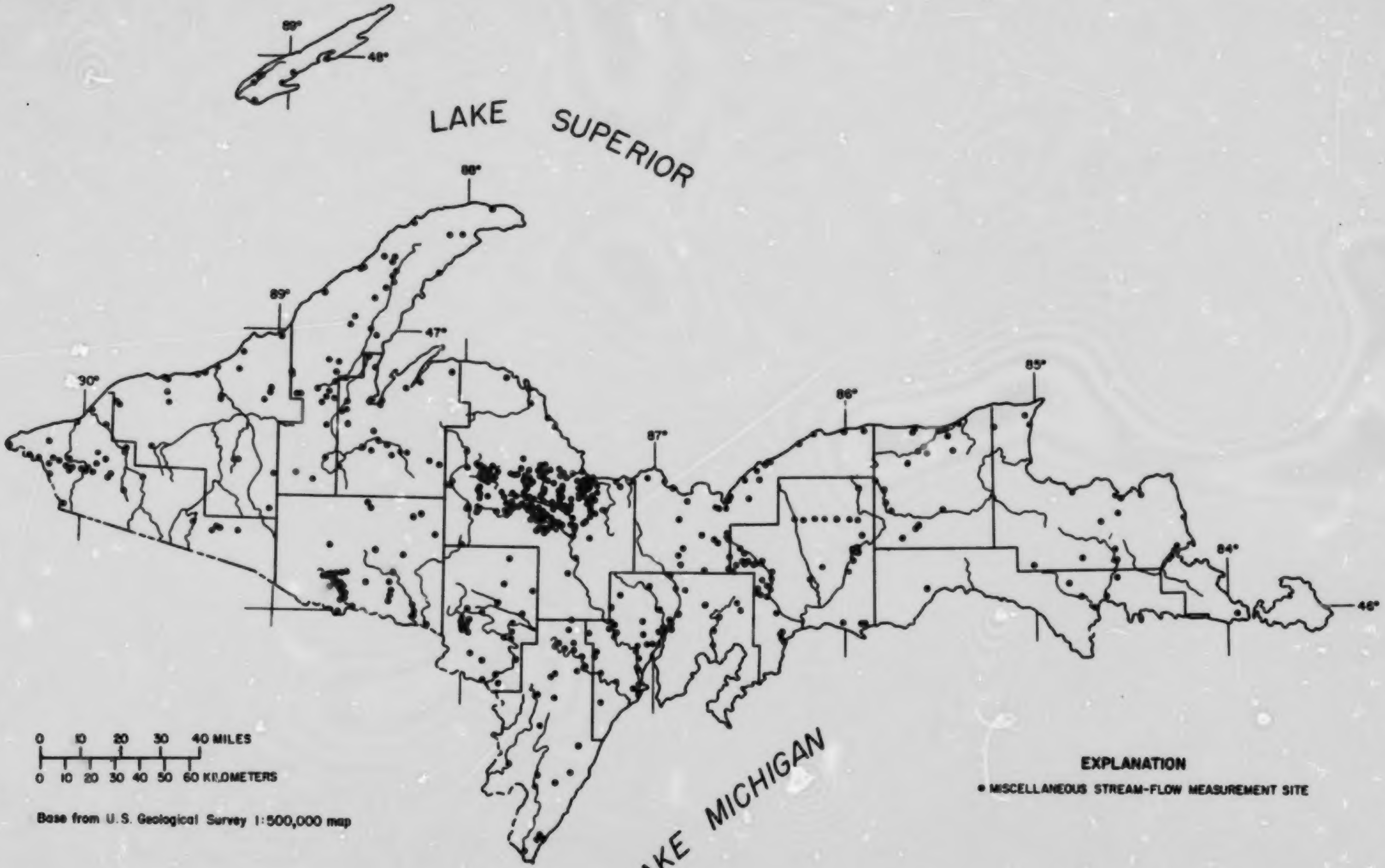


Figure 3.--Frequency distribution of miscellaneous measurements among sites.


89°
48°
LAKE SUPERIOR
88°
89°
47°
90°
87°
86°
85°
84°
46°
0 10 20 30 40 MILES
0 10 20 30 40 50 60 KILOMETERS
LAKE MICHIGAN
EXPLANATION
● MISCELLANEOUS STREAM-FLOW MEASUREMENT SITE

Base from U.S. Geological Survey 1:500,000 map

Figure 4.--Sites of miscellaneous measurements in Upper Peninsula of Michigan.

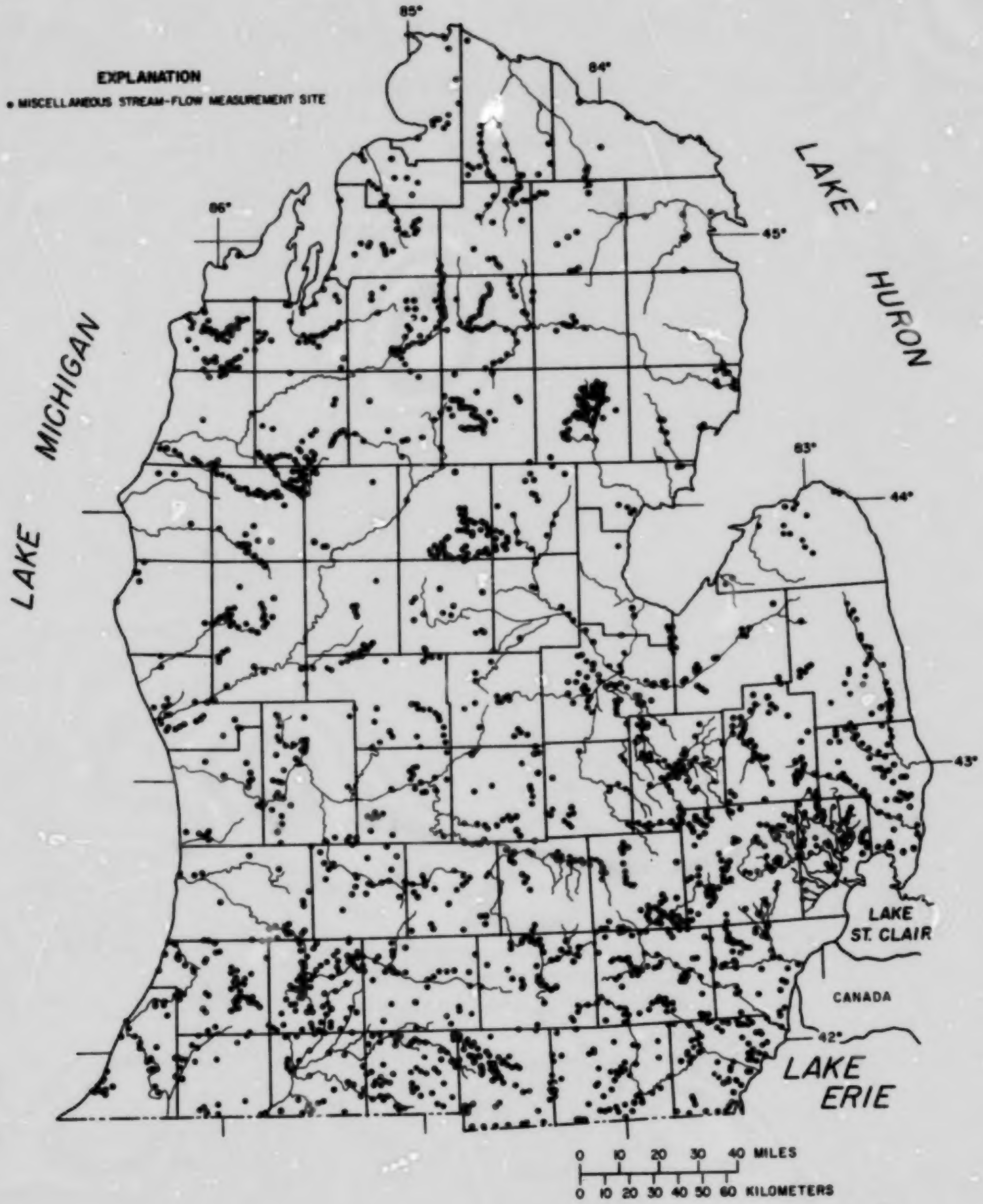

EXPLANATION
• MISCELLANEOUS STREAM-FLOW MEASUREMENT SITE
85°
84°
86°
45°
83°
44°
43°
42°
LAKE HURON
LAKE MICHIGAN
LAKE ST. CLAIR
CANADA
LAKE ERIE
0 10 20 30 40 MILES
0 10 20 30 40 50 60 KILOMETERS

Figure 5.--Sites of miscellaneous measurements in Lower Peninsula of Michigan.

Purpose and Scope

The purpose of this report is to extend the usefulness of the miscellaneous-discharge data by making the data more readily available. In addition to this compilation, an electronic data base was developed to assist future retrieval and storage of miscellaneous measurements. Measurements at low-flow partial-record stations and continuous-record stations prior to or subsequent to continuous record collection are included in the report. Measurements at active continuous-record stations and high-flow measurements at crest-stage partial-record stations are not included. Only measurements made by U.S. Geological Survey or Michigan Department of Natural Resources are given.

How to use this report

Sites of miscellaneous measurements are listed in downstream order by station number (tables 1-10). A county index is also given to assist in locating station data when station numbers are not known. Within each county, stream names are listed alphabetically with corresponding station numbers.

Acknowledgments

Discharge measurements by U.S. Geological Survey were made through cooperative programs with other Federal and State agencies, and local units of government. James C. Failing and Lauritz B. Hough, U.S. Geological Survey hydrologic technicians, assembled much of the hydrologic data for the northern Lower Peninsula and Upper Peninsula, respectively.

DOWNSTREAM ORDER AND STATION NUMBER

Surface-water hydrologic stations and records in U.S. Geological Survey reports are listed in a downstream direction along the main stream. Stations on tributaries entering upstream from a main-stream station are listed before the main-stream station. Stations on tributaries entering between main-stream stations are listed between them. A similar listing order is used for stations on first rank, second rank, and other ranks of tributaries. Determination of rank is assisted by listing the stream name and name of the stream to which it is immediately tributary.

In assigning station numbers, no distinction is made between miscellaneous sites, partial-record stations, and continuous-record gaging stations. Gaps are left in the series of numbers to allow for new stations to be added; hence, the numbers are not consecutive. The complete 8-digit station number, such as 04127970, includes a 2-digit part number "04" and a 6-digit downstream order number "127970". The part number "04" indicates that all streams are in the St. Lawrence River Basin.

EXPLANATION OF DATA

Data for each miscellaneous site includes a station number, the stream name, the name of the stream to which it is tributary, the sites' latitude-longitude and township-range locations, the county in which the site is located, a brief reference to nearby cultural or physical features which uniquely identify the site, and an approximate drainage area, when available. Station numbers preceded by an "R" indicate data for this site have previously been published with a different station number, that has since been revised. Discharges are listed by date of measurement. Measurements were made with a current meter, using methods described in standard text-books and by Rantz and others (1982).

REFERENCES CITED

Knutilla, R. L., 1974, Compilation of miscellaneous streamflow measurements in Michigan through September 1970: Michigan Department of Natural Resources Water Information Series Report 5, 185 p.

Rantz, S. E., and others, 1982, Measurement and computation of streamflow: Volume 1. Measurement of stage and discharge: U.S. Geological Survey Water Supply Paper 2175, 284 p.

U.S. Geological Survey, 1971-84, Water Resources Data for Michigan; Reports MI-71-1 through MI-84-1.

TABLES

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04000800	Feldtmann Lake Outlet	Lake Superior	Lat 47°48'34", long 89°10'51", in NE1/4 sec.19, T.63 N., R.38 W., Keweenaw County, on Isle Royale, about 750 feet downstream from Feldtmann Lake, MI.	5.00	08-05-62	0.03
04000900	Grace Creek	Lake Superior	Lat 47°53'43", long 89°10'08", in SW1/4 sec.32, T.64 N., R.38 W., Keweenaw County, on Isle Royale, 1.2 miles southwest of Windigo, MI	5.20	08-05-62	0.50
04000950	Washington Creek	Lake Superior	Lat 47°55'41", long 89°07'52", in SE1/4 sec.21, T.64 N., R.38 W., Keweenaw County, on Isle Royale, 1.8 miles northeast of Windigo, MI.	12.5	08-06-62	1.36
04000970	Washington Creek	Lake Superior	Lat 47°55'29", long 89°08'14", in SW1/4 SE1/4 sec.21, T.64 N., R.38 W., Keweenaw County, on Isle Royale, 1.2 miles northeast of Windigo, MI.	12.9	08-06-62 10-09-63	1.62 1.04
04001000	Washington Creek	Lake Superior	Lat 47°55'23", long 89°08'42", in NW1/4 sec.28, T.64 N., R.38 W., Keweenaw County, 0.8 miles northeast of Windigo, MI	13.2	09-27-64	10.8
04001500	Siskiwit Lake Outlet	Lake Superior	Lat 47°59'04", long 88°47'59", in SW1/4 sec.31, T.65 N., R.35 W., Keweenaw County, on Isle Royale, 0.5 mile downstream from Siskiwit Lake, MI.	28.7	08-03-62	3.15
04001700	Little Siskiwit River	Lake Superior	Lat 47°56'02", long 88°57'27", in NE1/4 sec.23, T.64 N., R.37 W., Keweenaw County, on Isle Royale, 9.5 miles east of Windigo, MI.	11.8	08-04-62	0.00
04002000	Big Siskiwit River	Lake Superior	Lat 47°53'30", long 89°01'02", in NW1/4 sec.04, T.63 N., R.37 W., Keweenaw County, 0.8 mile west of Camp Siskiwit, MI.	19.0	08-04-62	0.00
04027940	Montreal River	Lake Superior	Lat 46°20'52", long 90°07'18", in NE1/4 sec.25, T.46 N., R.47 W., Gogebic County, 7.0 miles south of Ironwood, MI.	---	07-27-67	31.7
04028000	Montreal River	Lake Superior	Lat 46°27'07", long 90°10'44", in SE1/4 sec.21, T.47 N., R.47 W., Gogebic County, at Norrie St. in Ironwood, MI.	---	04-28-47 07-22-47 09-13-47 07-27-67	320 14.3 2.52 63.7
04028090	Welsh Creek	Montreal River	Lat 46°29'30", long 90°10'23", in NW1/4 NW1/4 sec.10, T.47 N., R.47 W., Gogebic County, above county road, above Ironwood Township sewage plant, 2.0 miles north of Ironwood, MI.	5.00	09-11-69 08-31-70 08-06-75 08-24-76	0.60 0.15 0.33 0.29
04028092	Welsh Creek	Montreal River	Lat 46°29'31", long 90°10'32", in NW1/4 NW1/4 sec.10, T.47 N., R.47 W., Gogebic County, below Ironwood Township sewage plant 5 feet below unnamed trib., 2.0 miles north of Ironwood, MI.	6.00	09-11-69	0.91
04028100	Montreal River	Lake Superior	Lat 46°30'26", long 90°13'47", in SE1/4 SW1/4 sec.31, T.48 N., R.47 W., Gogebic County, 0.2 mile above Spring Creek, 4.2 miles northwest of Ironwood, MI.	80.6	09-01-70 10-15-70 06-20-73 08-06-75 08-25-76 06-25-79	4.71 34.3 29.2 8.33 4.71 70.3
04028110	Spring Creek	Montreal River	Lat 46°30'47", long 90°09'22", in SW1/4 sec.35, T.48 N., R.47 W., Gogebic County, 4.0 miles north of Ironwood, MI.	7.00	07-02-62 08-06-75 08-24-76	1.56 1.40 0.29
04028200	Siemens Creek	Montreal River	Lat 46°30'02", long 90°07'30", in SW1/4 sec.01, T.47 N., R.47 W., Gogebic County, near Ironwood, MI.	---	06-15-50 06-22-50 06-29-50	2.73 2.29 2.80

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04029550	Montreal River	Lake Superior	Lat 46°30'48", long 90°16'21", in SW1/4 sec.35, T.48 N., R.48 W., Gogebic County, 0.5 mile upstream from Moore Creek, 6.0 miles northwest of Ironwood, MI.	---	07-27-67	204
04029950	Mud Creek	Montreal River	Lat 46°34'12", long 90°10'35", in NW1/4 SW1/4 sec.10, T.48 N., R.47 W., Gogebic County, at county road, 8.0 miles north of Ironwood, MI.	17.0	08-31-76	0.02
04030000	Montreal River	Lake Superior	Lat 46°32'41", long 90°24'06", in NW1/4 sec.23, T.48 N., R.49 W., Gogebic County, at discontinued gaging station, 2.0 miles upstream from mouth, 3.5 miles north of Saxon, WI.	262	07-20-77	35.9
04030500	Black River	Lake Superior	Lat 46°28'26", long 90°00'06", in NW1/4 sec.13, T.47 N., R.46 W., Gogebic County, at bridge, at Ramsey, MI.	78.0	08-26-69 08-19-70 08-05-75 08-23-76	6.90 10.1 4.38 1.58
04030502	Plymouth Mine Pond Outlet	Alward Creek	Lat 46°28'14", long 89°58'56", in SE1/4 NW1/4 sec.18, T.47 N., R.45 W., Gogebic County, at Plymouth Rd., at Ramsey, MI.	---	12-05-73 03-07-74 06-12-74 08-07-74 09-12-74 12-04-74 01-15-75 04-09-75 05-22-75 08-05-75 11-05-75 02-04-76 03-16-76 08-23-76 06-15-77 03-15-78 06-14-78 12-13-78 07-25-79 01-31-80 07-29-80 02-03-81 06-10-81	0.75 0.88 1.84 0.77 0.50 1.19 0.84 0.87 1.41 0.46 0.56 1.17 1.39 0.60 0.55 0.85 1.10 0.49 0.58 1.13 0.95 1.41 1.06
04030520	Little Black River	Sunday Lake	Lat 46°28'00", long 89°56'40", in SW1/4 sec.16, T.47 N., R.45 W., Gogebic County, at county road, 0.5 mile south of Wakefield, MI.	24.0	08-30-76	0.00
04030525	Little Black River	Black River	Lat 46°28'48", long 89°58'30", in SW1/4 SE1/4 sec.07, T.47 N., R.45 W., Gogebic County, at U.S. Hwy. 2, 2.0 miles west of Wakefield, MI.	28.0	08-30-76	0.02
04030810	Jackson Creek	Black River	Lat 46°27'05", long 89°51'58", in SE1/4 SE1/4 sec.24, T.47 N., R.45 W., Gogebic County, at U.S. Hwy. 2, 3.5 miles southeast of Wakefield, MI.	17.0	08-05-75 08-23-76	0.20 0.00
04030955	Jackson Creek	Black River	Lat 46°30'56", long 89°52'52", in NW1/4 sec.36, T.48 N., R.45 W., Gogebic County, at State Hwy. M-28, 4.0 miles northeast of Wakefield, MI.	40.0	08-26-69 08-19-70 08-25-76	1.38 1.70 0.58
04030957	Connors Creek	Jackson Creek	Lat 46°32'16", long 89°55'15", in SE1/4 SW1/4 sec.22, T.48 N., R.45 W., Gogebic County, at mouth, 1.2 miles north of Thomaston, MI.	5.00	08-06-75	0.00
04030960	Planter Creek	Jackson Creek	Lat 46°29'56", long 89°55'39", in NW1/4 SW1/4 sec.03, T.47 N., R.45 W., Gogebic County, at county road, 1.0 mile north of Wakefield, MI.	---	08-30-76	0.61
04030965	Unnamed tributary	Kallander Creek	Lat 46°28'46", long 90°03'07", in NE1/4 sec.09, T.47 N., R.46 W., Gogebic County, at County Road 513, 0.1 mile above mouth, at Bessemer, MI.	0.30	08-31-70 08-24-76	0.00 0.00

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04030967	Kallander Creek	Black River	Lat 46°28'52", long 90°02'59", in NW1/4 sec.10, T.47 N., R.46 W., Gogebic County, just above Bessemer sewage plant, 0.1 mile below unnamed tributary, at Bessemer, MI.	1.20	08-31-70	0.01
					08-06-75	0.01
					08-24-76	0.00
04030975	Powder Mill Creek	Black River	Lat 46°28'01", long 90°04'10", in SW1/4 sec.16, T.47 N., R.46 W., Gogebic County, at State Hwy. M-28, near Bessemer, MI.	---	06-22-50	0.56
04030980	Powder Mill Creek	Black River	Lat 46°28'52", long 90°04'45", in SW1/4 sec.08, T.47 N., R.46 W., Gogebic County, at U.S. Hwy. 2, near Bessemer, MI.	---	06-15-50	1.87
					06-22-50	2.03
					06-29-50	8.57
04030998	Powder Mill Creek	Black River	Lat 46°30'39", long 90°04'12", in SW1/4 sec.33, T.48 N., R.46 W., Gogebic County, at mouth, 2.0 miles northwest of Bessemer, MI.	16.8	08-31-70	0.21
					08-24-76	0.06
04031030	Black River	Lake Superior	Lat 46°39'29", long 90°02'38", in NW1/4 sec.10, T.49 N., R.46 W., Gogebic County, 0.7 mile above mouth, at Rainbow Falls, 12.0 miles north of Bessemer, MI.	257	08-31-70	17.3
					08-24-76	19.1
04031650	Copps Creek	Presque Isle River	Lat 46°27'23", long 89°41'22", in SE1/4 NW1/4 sec.21, T.47 N., R.43 W., Gogebic County, 0.3 mile upstream from mouth, 5.4 miles north of Marenisco, MI.	---	06-03-71	2.62
					07-16-71	1.74
					09-17-71	0.05
04031950	Little Presque Isle River	Presque Isle River	Lat 46°24'18", long 89°46'45", in NW1/4 sec.11, T.46 N., R.44 W., Gogebic County, at U.S. Hwy. 2, near Marenisco, MI.	21.0	10-21-47	2.65
					06-03-48	3.06
					08-23-76	2.76
04032000	Presque Isle River	Lake Superior	Lat 46°32'49", long 89°46'38", in NW1/4 sec.23, T.48 N., R.44 W., Gogebic County, at State Hwy. M-28, 2.0 miles east of Tula, MI.	261	10-02-73	245
					08-25-76	31.4
					06-24-80	91.1
					07-30-80	134
					09-30-80	265
					10-07-80	222
					08-19-81	69.3
					09-22-81	44.6
					08-17-82	68.5
04032010	Cherry Creek	Presque Isle River	Lat 46°33'28", long 89°46'23", in NW1/4 sec.14, T.48 N., R.44 W., Gogebic County, 300 feet upstream from mouth, near Tula, MI.	34.0	07-28-66	2.73
04032100	Presque Isle River	Lake Superior	Lat 46°27'33", long 89°51'42", in SW1/4 sec.19, T.49 N., R.44 W., Ontonagon County, near Tula, MI.	---	10-14-48	46.2
04032110	Presque Isle River	Lake Superior	Lat 46°38'45", long 89°52'59", in NW1/4 sec.13, T.49 N., R.45 W., Gogebic County, near Tula, MI.	---	10-14-48	44.8
04032150	Presque Isle River	Lake Superior	Lat 46°41'46", long 89°58'26", in SE1/4 sec.30, T.50 N., R.45 W., Gogebic County, 1.0 mile above mouth, 10.0 miles north of Connorville, MI.	358	11-10-69	221
					02-19-70	111
					08-19-70	74.9
					08-31-70	50.5
					09-12-72	249
					06-20-73	251
					10-02-73	287
					08-25-76	39.7
04032180	Little Carp River	Lake Superior	Lat 46°43'12", long 89°49'29", in NE1/4 sec.20, T.50 N., R.44 W., Ontonagon County, 100 feet downstream of Blowdown Creek, in Porcupine Mtns. State Park, near White Pine, MI.	---	07-16-71	5.30
					09-16-71	2.50

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	 Discharge (ft³/s)
04032184	Little Carp River	Lake Superior	Lat 46°43'21", long 89°49'49", in SW1/4 SE1/4 sec.17, T.50 N., R.44 W., Gogebic County, at Greenstone Falls, 1000 feet downstream of unnamed trib., 11.5 miles west of White Pine, MI.	---	06-03-71	20.5
R 04032450	Little Iron River	Lake Superior	Lat 46°49'33", long 89°35'13", in SE1/4 sec.11, T.51 N., R.42 W., Ontonagon County, 0.2 mile above mouth, 0.8 miles west of Silver City, MI.	17.0	09-01-70	0.69
					08-26-76	0.34
04032505	Iron River	Lake Superior	Lat 46°48'54", long 89°34'10", in NW1/4 sec.13, T.51 N., R.42 W., Ontonagon County, 1.0 mile above mouth, at Bonanza Falls, 1.0 mile south of Silver City, MI.	100	01-29-52	21.4
					03-13-52	32.6
					09-01-70	3.39
					08-26-76	1.16
04032510	Mineral River	Lake Superior	Lat 46°44'00", long 89°33'46", in NW1/4 sec.16, T.50 N., R.42 W., Ontonagon County, at State Hwy. M-64, 1.5 miles southeast of White Pine, MI.	6.80	08-22-42	3700
					09-01-70	0.00
					08-06-75	0.00
					08-25-76	0.00
					06-14-77	0.51
					07-19-77	0.14
					08-15-77	0.01
04032515	Mineral River	Lake Superior	Lat 46°45'44", long 89°34'30", in NE1/4 sec.05, T.50 N., R.42 W., Ontonagon County, at State Hwy. M-64, at White Pine, MI.	10.5	01-29-52	3.26
					03-13-52	3.52
					08-20-70	0.03
					09-01-70	0.00
					08-06-75	0.00
					08-25-76	0.00
					06-14-77	2.72
					07-19-77	0.48
					08-15-77	0.09
04032520	Cranberry River	Lake Superior	Lat 46°50'34", long 89°25'12", in NE1/4 SE1/4 sec.06, T.51 N., R.40 W., Ontonagon County, at mouth, 0.7 mile east of Green, MI.	20.3	09-01-70	0.00
					08-26-76	0.00
04032525	Deer Creek	Potato River	Lat 46°45'34", long 89°17'09", in NE1/4 sec.01, T.50 N., R.41 W., Ontonagon County, 8.0 miles southwest of Ontonagon, MI.	18.3	08-22-42	5100
					08-26-76	0.05
04032530	Cunningham Creek	Potato River	Lat 46°45'16", long 89°17'16", in SE1/4 sec.01, T.50 N., R.41 W., Ontonagon County, 8.5 miles southwest of Ontonagon, MI.	2.51	08-22-42	810
					08-26-76	0.00
04032533	Potato River	Lake Superior	Lat 46°51'12", long 89°23'16", in SE1/4 SW1/4 sec.33, T.52 N., R.40 W., Ontonagon County, at mouth, 2.5 miles northeast of Green, MI.	22.4	09-01-70	0.00
					08-26-76	0.00
04032700	Middle Branch Ontonagon River	Ontonagon River	Lat 46°16'38", long 89°18'33", in SE1/4 sec.21, T.45 N., R.40 W., Gogebic County, 75 feet above mouth of Marathon Creek, 6.0 miles west of Watersmeet, MI.	---	06-03-71	15.1
					07-18-71	4.62
					09-16-71	6.06
04032800	Middle Branch Ontonagon River	Ontonagon River	Lat 46°17'07", long 89°17'22", in NE1/4 sec.22, T.45 N., R.40 W., Gogebic County, near Watersmeet, MI.	---	06-01-49	8.66
					07-06-49	45.9
					08-03-49	9.73
					08-31-49	7.70
					09-22-49	6.38
					10-06-49	5.79
					11-01-49	9.03
					06-15-50	20.9
					07-06-50	16.7
					08-02-50	23.0
					09-07-50	8.24
					10-03-50	7.35
					11-01-50	6.94

Table I.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04032850	Middle Branch Ontonagon River	Ontonagon River	Lat 46°17'00", long 89°15'53", in NE1/4 sec.23, T.45 N., R.40 W., Gogebic County, near Watersmeet, MI.	---	06-01-49	9.14
					07-06-49	50.0
					08-03-49	10.3
					08-31-49	7.04
					07-06-50	18.4
					08-02-50	24.2
					09-07-50	8.99
					10-03-50	8.17
					11-01-50	8.16
04032900	Middle Branch Ontonagon River	Ontonagon River	Lat 46°16'30", long 89°10'39", in NW1/4 NW1/4 sec.27, T.45 N., R.39 W., Gogebic County, at U.S. Hwy. 45, 0.1 mile north of Watersmeet, MI.	48.0	09-12-67	28.5
					08-26-69	24.6
					08-18-70	26.3
					06-03-71	65.1
					07-15-71	45.1
					09-16-71	25.6
					08-05-75	21.1
					08-26-76	19.7
04033100	Deadman Creek	Bond Falls Reservoir	Lat 46°21'47", long 89°00'58", in SE1/4 SE1/4 sec.23, T.46 N., R.38 W., Ontonagon County, at U.S.F.S. Road 169, 8.0 miles south of Trout Creek, MI.	---	06-02-71	5.30
					07-15-71	5.22
					09-16-71	2.72
04034550	Trout Creek	Middle Branch Ontonagon River	Lat 46°29'04", long 88°59'57", in NW1/4 SE1/4 sec.12, T.47 N., R.38 W., Ontonagon County, at Duluth, South Shore, and Atlantic Railway, 0.6 mile east of Trout Creek, MI.	23.0	09-12-67	8.65
					08-25-69	2.54
					08-18-70	8.81
					08-26-76	11.1
04034690	Baltimore River	Middle Branch Ontonagon River	Lat 46°32'01", long 89°12'18", in NE1/4 sec.29, T.48 N., R.39 W., Ontonagon County, 1.3 miles west of Bruce Crossing, MI.	19.7	08-22-42	2300
					08-07-75	2.83
					08-26-76	2.85
04034700	Clear Creeek	Baltimore River	Lat 46°32'07", long 89°10'54", in SE1/4 SE1/4 sec.21, T.48 N., R.39 W., Ontonagon County, at State Hwy. M-28, 0.1 mile west of Bruce Crossing, MI.	8.51	08-22-42	2500
					09-12-67	4.23
					08-26-69	4.59
					08-18-70	4.59
					08-07-75	4.09
					08-26-76	3.81
04034780	East Branch Ontonagon River	Middle Branch Ontonagon River	Lat 46°28'15", long 88°47'58", in NW1/4 sec.15, T.47 N., R.36 W., Houghton County, 4.5 miles southeast of Kenton, MI	---	06-03-71	37.3
					07-15-71	43.3
					09-16-71	21.4
04034820	East Branch Ontonagon River	Middle Branch Ontonagon River	Lat 46°29'09", long 88°53'22", in NE1/4 sec.11, T.47 N., R.37 W., Houghton County, at railroad bridge at U.S. Forest Service ranger station, at Kenton, MI.	69.0	08-26-76	25.2
04034900	Adventure Creek	East Branch Ontonagon River	Lat 46°44'46", long 89°03'49", in SE1/4 NW1/4 sec.09, T.50 N., R.38 W., Ontonagon County, between Milwaukee, St. Paul, and Pacific Railway and county road, 1.5 miles southeast of Mass, MI.	5.00	09-12-69	0.34
					08-20-70	0.05
					08-06-75	0.02
					08-26-76	0.00
04035990	Merriweather Creek	Lake Gogebic	Lat 46°34'04", long 89°38'58", in SW1/4 sec.11, T.48 N., R.43 W., Ontonagon County, at State Hwy. M-28, 0.6 mile southwest of Merriweather, MI.	25.2	09-01-70	0.04
					08-06-75	0.02
					08-25-76	0.00
04038000	Cisco Branch Ontonagon River	South Branch Ontonagon River	Lat 46°18'09", long 89°24'57", in NE1/4 sec.15, T.45 N., R.41 W., Gogebic County, at site of former gaging station, near Watersmeet, MI.	---	11-07-44	11.0
					12-02-44	112
					02-02-45	74.4
					03-06-45	77.6
					04-03-45	40.1
					04-25-45	125
					05-03-45	102
					05-31-45	171
					07-03-45	75.6
					08-01-45	28.6
					09-05-45	109
04040020	Ontonagon River	Lake Superior	Lat 46°52'22", long 89°19'39", in SE1/4 sec.25, T.52 N., R.40 W., Ontonagon County, at State Hwy. M-64, at Ontonagon, MI.	1390	06-07-66	8750
					04-08-69	7670
					04-10-69	19300

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04040100	Flintsteel River	Lake Superior	Lat 46°51'59", long 89°11'48", in SW1/4 SE1/4 sec.25, T.52 N., R.39 W., Ontonagon County, at county road, 5.5 miles east of Ontonagon, MI.	42.0	08-05-63 08-26-76	0.22 0.04
04040110	West Branch Firesteel River	Firesteel River	Lat 46°47'06", long 89°01'42", in NW1/4 sec.29, T.51 N., R.37 W., Ontonagon County, at State Hwy. M-26, 3.5 miles northeast of Mass, MI.	29.0	08-05-63 08-26-76	8.76 8.87
04040115	East Branch Firesteel River	Firesteel River	Lat 46°47'53", long 89°01'03", in SE1/4 sec.20, T.51 N., R.37 W., Ontonagon County, at State Hwy. M-26, 4.0 miles northeast of Mass, MI.	13.0	08-05-63 08-26-76	6.45 5.10
04040120	Firesteel River	Lake Superior	Lat 46°55'22", long 89°10'37", in NW1/4 sec.07, T.52 N., R.38 W., Ontonagon County, 7.5 miles northeast of Ontonagon, MI.	84.0	08-05-63 09-01-70	19.8 18.1
04040150	East Branch Sleepy Creek	Sleepy Creek	Lat 46°51'33", long 88°54'57", in SE1/4 NE1/4 sec.31, T.52 N., R.36 W., Houghton County, 1,000 ft east of Copper Range Railroad track, at State Hwy. M-26, near Winona, MI.	1.00	08-12-68	0.07
04040152	North Branch Sleepy Creek	Sleepy Creek	Lat 46°51'41", long 88°55'10", in SW1/4 NE1/4 sec.31, T.52 N., R.36 W., Houghton County, at Copper Range Railroad bridge, 1,200 feet north of State Hwy. M-26, near Winona, MI.	2.00	08-12-68	0.13
04040156	Sleepy Creek	East Sleeping River	Lat 46°51'34", long 88°55'23", in SE1/4 NW1/4 sec.31, T.52 N., R.36 W., Houghton County, at Copper Range Railroad, near State Hwy. M-26, 1.2 mile southwest of Winona, MI.	3.00	08-12-68 08-26-69	2.08 2.54
04040154	Sleepy Creek	East Sleeping River	Lat 46°51'28", long 88°55'03", in NW1/4 SE1/4 sec.31, T.52 N., R.36 W., Houghton County, 1000 feet eat of Copper Range Railroad, at State Hwy. M-26, near Winona, MI.	3.00	08-12-68	1.15
04040175	Misery River	Lake Superior	Lat 46°59'23", long 88°58'57", in NW1/4 SE1/4 sec.15, T.53 N., R.37 W., Ontonagon County, 0.6 mile above Little Misery River, 10.0 miles west of Toivola, MI.	39.4	09-01-70 08-06-75	17.1 16.3
04040200	Salmon Trout River	Lake Superior	Lat 47°09'09", long 88°46'03", in NE1/4 sec.20, T.55 N., R.35 W., Houghton County, at Redridge, MI.	43.7	10-24-61 10-17-63 09-01-70	33.9 28.0 25.6
04040205	Bear Creek	Sevenmile Creek	Lat 47°14'22", long 88°34'58", in NE1/4 sec.23, T.56 N., R.34 W., Houghton County, at State Hwy. M-203, 6.0 miles west of Calumet, MI.	1.50	05-02-72	60.0
04040208	Sevenmile Creek	Lake Superior	Lat 47°14'24", long 88°34'25", in NW1/4 sec.24, T.56 N., R.34 W., Houghton County, at State Hwy. M-203, 5.6 miles west of Calumet, MI.	5.00	05-02-72	150
04040209	Sevenmile Creek	Lake Superior	Lat 47°14'36", long 88°34'40", in SE1/4 sec.14, T.56 N., R.34 W., Houghton County, 500 feet upstream from Smith's Creek, 5.8 miles west of Calumet, MI.	7.00	05-02-72	250
04040211	Smith's Creek	Sevenmile Creek	Lat 47°14'36", long 88°33'54", in NE1/4 NW1/4 sec.24, T.56 N., R.34 W., Houghton County, at State Hwy. M-203, 5.2 miles west of Calumet, MI.	2.00	05-02-72	40.0
04040216	Hills Creek	Lake Superior	Lat 47°16'52", long 88°26'47", in SW1/4 NW1/4 sec.01, T.56 N., R.33 W., Houghton County, 1.1 miles north of Centennial Heights, MI.	2.00	08-05-75 07-29-76	0.15 0.10

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04040280	Eagle River	Lake Superior	Lat 47°24'50", long 88°17'53", in NW1/4 NW1/4 sec.19, T.58 N., R.31 W., Keweenaw County, at State Hwy. M-26, at Eagle River, MI.	21.0	08-05-75	3.22
					07-29-76	2.30
04040300	Lake Fanny Hooe Outlet	Lake Superior	Lat 47°28'02", long 87°51'59", in SE1/4 sec.33, T.59 N., R.28 W., Keweenaw County, in Fort Wilkins State Park, at Copper Harbor, MI.	15.6	10-13-59	25.1
					07-27-60	4.53
					10-26-60	0.20
					05-09-61	121
					06-22-61	5.36
					10-11-61	0.43
					05-09-62	69.2
					06-13-62	6.98
					09-11-62	4.07
					04-03-63	94.4
					07-31-63	0.52
					10-15-63	0.05
					07-30-64	0.07
					09-30-64	0.52
					08-10-65	0.57
					12-22-65	14.6
					08-04-66	0.00
					12-18-66	13.4
					05-20-67	23.4
					08-22-67	0.63
04040310	Little Gratiot River	Lac La Belle	Lat 47°21'48", long 88°05'58", in SW1/4 sec.03, T.57 N., R.30 W., Keweenaw County, at outlet of Gratiot Lake, near Phoenix, MI.	---	05-15-45	25.1
					09-12-45	9.57
					05-22-46	20.8
					05-23-47	61.5
					05-19-48	30.3
					05-16-49	37.7
					10-13-49	4.23
					05-19-50	122
04040313	Deer Lake Outlet	Little Gratiot River	Lat 47°21'59", long 88°02'26", in NE1/4 SW1/4 sec.06, T.57 N., R.29 W., Keweenaw County, 700 feet downstream of Deer Lake, 1.8 miles southwest of Lac LaBelle, MI.	---	07-11-79	2.49
					09-14-79	4.88
					07-24-80	1.46
04040315	Little Gratiot River	Lac La Belle	Lat 47°22'04", long 88°02'16", in SE1/4 NW1/4 sec.06, T.57 N., R.29 W., Keweenaw County, 700 feet downstream of Deer Creek, 1.6 miles southwest of Lac LaBelle, MI.	25.0	07-11-79	5.91
					09-14-79	16.9
					07-24-80	8.63
04040350	Tobacco River	Lake Superior	Lat 47°13'53", long 88°08'55", in SW1/4 sec.20, T.56 N., R.30 W., Keweenaw County, at county road 0.7 mile northeast of Gay, MI.	52.7	09-01-70	3.24
04040420	Lateral Creek	Sturgeon River	Lat 46°34'18", long 88°18'20", in NE1/4 SE1/4 sec.09, T.48 N., R.32 W., Baraga County, at U.S. Hwy. 41, 5.0 miles west of Three Lakes, MI.	---	04-23-57	66.0
04040450	Tioga River	Sturgeon River	Lat 46°34'32", long 88°20'25", in NW1/4 sec.08, T.48 N., R.32 W., Baraga County, at U.S. Hwy. 41, 10.0 miles east of Covington, MI.	18.5	04-22-57	360
					04-23-57	282
					05-06-57	15.8
					04-10-58	56.7
					04-15-58	115
					04-16-58	142
					08-30-76	0.08
04040455	Pelkie Creek	Sturgeon River	Lat 46°35'55", long 88°24'30", in SE1/4 sec.34, T.49 N., R.33 W., Baraga County, at old U.S. Hwy. 41, 5.0 miles southeast of Alberta, MI.	16.2	04-23-57	190
					04-25-57	163
					05-06-57	13.2
					04-16-58	259
					04-17-58	221
04040460	Sturgeon River	Portage Lake	Lat 46°36'53", long 88°27'10", in SE1/4 NE1/4 sec.29, T.49 N., R.33 W., Baraga County, at old U.S. Hwy. 41, 2.5 miles southeast of Alberta, MI.	83.6	04-25-57	1130
					05-06-57	85.0
					04-16-58	1150
					04-17-58	1150
04040465	Plumbago Creek	Sturgeon River	Lat 46°38'44", long 88°28'57", in SE1/4 NW1/4 sec.18, T.40 N., R.33 W., Baraga County, at Alberta, MI.	1.64	04-22-57	27.3
					04-23-57	21.2
					05-06-57	2.56
					04-07-58	5.37
					04-15-58	23.9
					08-06-75	0.48

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04040470	Rock River	Sturgeon River	Lat 46°34'23", long 88°29'40", in NE1/4 sec.12, T.48 N., R.34 W., Baraga County, at U.S. Hwy. 141, 3.0 miles northeast of Covington, MI	40.3	04-22-57 04-23-57 05-06-57 04-07-58 04-15-58	583 748 69.8 61.8 296
04040472	Rock River	Sturgeon River	Lat 46°35'21", long 88°32'27", in SE1/4 NW1/4 sec.02, T.48 N., R.34 W., Baraga County, 1.0 mile above mouth, 4.0 miles southwest of Alberta, MI.	47.0	08-31-70	1.22
04041000	Perch River	Sturgeon River	Lat 46°31'06", long 88°39'48", in NE1/4 sec.34, T.48 N., R.35 W., Baraga County, at State Hwy. M-28, 2.5 miles east of Sidnaw, MI.	63.1	08-31-70 08-26-76	11.3 7.16
04041100	Sidnaw Creek	Sturgeon River	Lat 46°32'48", long 88°43'49", in NW1/4 NE1/4 sec.19, T.48 N., R.35 W., Houghton County, at U.S.F.S. Road 192, 3.0 miles north of Sidnaw, MI.	17.6	03-30-57 04-23-57 05-08-57 04-11-58 04-16-58 08-26-76	16.3 52.2 5.82 32.5 48.7 2.94
04041200	Little Silver River	Sturgeon River	Lat 46°39'50", long 88°44'08", in NW1/4 sec.07, T.49 N., R.35 W., Houghton County, 7.5 miles south of Alston, MI.	10.5	04-22-57 05-07-57 04-16-58 04-18-58	48.3 6.32 39.1 20.3
04041490	Sturgeon River	Portage Lake	Lat 46°40'18", long 88°36'55", in NE1/4 SE1/4 sec.06, T.49 N., R.35 W., Houghton County, at U.S.F.S. Road 193, 4.5 miles southwest of Prickett Dam, 13.0 miles southwest of L'Anse, MI.	335	08-18-69 08-31-70 08-26-76 11-16-76 05-25-77	105 83.7 70.0 104 207
04041520	Sturgeon River	Portage Lake	Lat 46°44'51", long 88°37'42", in NE1/4 NW1/4 sec.12, T.50 N., R.35 W., Baraga County, 400 feet upstream of Clear Creek, 6.5 miles southwest of Baraga, MI.	348	06-20-77	29.0
04041600	Clear Creek	Sturgeon River	Lat 46°42'50", long 88°38'48", in SW1/4 NE1/4 sec.23, T.50 N., R.35 W., Baraga County, at U.S.F.S. Road 191, 6.0 miles southeast of Alston, MI.	12.5	04-23-57 05-07-57 04-10-58 04-16-58	11.0 8.98 9.96 9.92
04041610	Mustard Creek	Clear Creek	Lat 46°43'15", long 88°37'45", in NW1/4 sec.24, T.50 N., R.35 W., Baraga County, 6.5 miles southeast of Alston, MI.	4.00	04-23-57 04-10-58	4.49 2.78
04041650	Clear Creek	Sturgeon River	Lat 46°44'55", long 88°37'40", in NE1/4 NW1/4 sec.12, T.50 N., R.35 W., Baraga County, 50 feet upstream of mouth, 6.5 miles southwest of Baraga, MI.	20.0	06-20-77	11.2
04042100	Silver River	Sturgeon River	Lat 46°45'47", long 88°41'44", in NW1/4 sec.04, T.50 N., R.35 W., Houghton County, at State Hwy. M-38, 3.0 miles east of Alston, MI.	39.0	03-30-57 04-22-57 04-25-57 05-07-57 04-09-58 04-16-58	55.3 301 157 18.4 116 185
04042198	West Branch Sturgeon River	Sturgeon River	Lat 46°44'34", long 88°45'40", in NW1/4 SW1/4 sec.12, T.50 N., R.36 W., Houghton County, 1.5 miles south of Alston, MI.	---	06-01-71 07-14-71 07-27-71 09-15-71	51.2 18.4 14.0 12.7
04042200	West Branch Sturgeon River	Sturgeon River	Lat 46°45'55", long 88°44'00", in NW1/4 sec.06, T.50 N., R.35 W., Houghton County, at State Hwy. M-38, 1.0 mile east of Alston, MI.	47.2	03-30-57 04-22-57 04-25-57 05-07-57 04-09-58	57.3 406 197 33.3 108
04042220	West Branch Sturgeon River	Sturgeon River	Lat 46°47'05", long 88°43'16", in NE1/4 SE1/4 sec.27, T.51 N., R.35 W., Houghton County, 2.0 miles northeast of Alston, MI.	---	06-01-71	69.5

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04042350	Sturgeon River	Portage Lake	Lat 46°55'01", long 88°31'12", in NW1/4 sec.08, T.52 N., R.33 W., Baraga County, at county road, 1.8 miles west of Arnheim, MI.	---	04-17-58	2350
					04-18-58	2390
04042401	Little Otter River	North Branch Otter River	Lat 47°01'58", long 88°36'55", in NW1/4 SW1/4 sec.34, T.54 N., R.34 W., Houghton County, at county road, 2.5 miles south of Baltic, MI.	3.50	08-26-70	0.06
					08-25-76	0.28
04042431	Bart Creek	North Branch Otter River	Lat 46°54'16", long 88°42'52", in NW1/4 sec.14, T.52 N., R.35 W., Houghton County, 4.5 miles southwest of Tapiola, MI.	---	06-01-71	7.39
					07-14-71	6.22
					07-27-71	5.58
					09-15-71	1.63
04042435	Bart Creek	North Branch Otter River	Lat 46°53'46", long 88°40'44", in SE1/4 SE1/4 sec.13, T.52 N., R.35 W., Houghton County, at county road, 2.6 miles northwest of Elo, MI.	---	06-01-71	16.4
					07-14-71	10.8
					07-27-71	10.2
					09-15-71	9.29
04042450	North Branch Otter River	Otter River	Lat 46°51'33", long 88°40'39", in NW1/4 SW1/4 sec.31, T.52 N., R.34 W., Houghton County, 2.2 miles southwest of Elo, MI.	95.3	04-18-57	633
					04-22-57	1380
					04-26-57	677
					05-07-57	103
					04-09-58	279
					04-16-58	939
					10-17-63	41.6
04042452	West Branch Otter River	Otter River	Lat 46°46'43", long 88°53'07", in NW1/4 NW1/4 sec.33, T.51 N., R.36 W., Houghton County, at old railroad grade crossing, 4.5 miles west of Nisula, MI.	---	06-01-71	7.07
04042453	West Branch Otter River	Otter River	Lat 46°46'44", long 88°52'43", in NW1/4 NE1/4 sec.33, T.51 N., R.36 W., Houghton County, at trail crossing, 4.2 miles west of Nisula, MI.	---	07-14-71	3.45
					07-27-71	2.57
					09-15-71	2.05
04042455	West Branch Otter River	Otter River	Lat 46°46'44", long 88°52'12", in NE1/4 NE1/4 sec.33, T.51 N., R.36 W., Houghton County, at trail crossing, 3.8 miles west of Nisula, MI	---	06-01-71	14.8
04042457	West Branch Otter River	Otter River	Lat 46°47'56", long 88°47'32", in NW1/4 SE1/4 sec.19, T.51 N., R.35 W., Houghton County, at county road, 2.3 miles north of Nisula, MI.	---	06-01-71	37.6
04042460	West Branch Otter River	Otter River	Lat 46°49'38", long 88°41'22", in SW1/4 sec.12, T.51 N., R.35 W., Houghton County, 2.5 miles northwest of Pelkie, MI.	53.1	04-18-57	290
					04-22-57	562
					04-26-57	266
					05-07-57	63.3
					04-09-58	134
					04-16-58	442
04042500	Otter River	Otter Lake	Lat 46°50'09", long 88°38'12", in NE1/4 NE1/4 sec.08, T.51 N., R.34 W., Houghton County, 50 feet upstream of highway, 1.6 miles north of Pelkie, MI.	162	08-25-76	71.4
04043005	Sturgeon River	Portage Lake	Lat 47°01'05", long 88°30'21", in SW1/4 sec.04, T.53 N., R.33 W., Houghton County, at U.S. Hwy. 41, 1.0 mile southeast of Chassell, MI.	---	03-29-45	6600
					04-14-55	6510
					04-19-55	5800
					04-24-57	7510
					04-19-60	5700
					04-28-60	6100
04043015	Pilgrim River	Portage Lake	Lat 47°03'44", long 88°35'46", in NW1/4 SW1/4 sec.23, T.54 N., R.34 W., Houghton County, at county road, 1.5 miles east of Baltic, MI.	11.0	07-14-47	5.33
					08-26-70	5.42
					08-06-75	4.97
04043030	Gooseneck Creek	Portage Lake	Lat 47°07'45", long 88°29'27", in SE1/4 SE1/4 sec.28, T.55 N., R.33 W., Houghton County, at State Hwy. M-26, 0.5 mile northeast of Dollar Bay, MI.	5.00	08-05-75	0.21
					07-29-76	0.11

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04043035	Dover Creek	Torch Lake	Lat 47°10'04", long 88°26'11", in NE1/4 NW1/4 sec.13, T.55 N., R.33 W., Houghton County, at first bridge downstream from State Hwy. M-26, at Hubbell, MI.	6.00	08-05-75	0.04
04043042	Scales Creek	Trap Rock River	Lat 47°15'50", long 88°24'10", in NW1/4 SW1/4 sec.08, T.56 N., R.32 W., Houghton County, at county road, 0.5 mile southeast of Wolverine, MI.	1.00	08-05-75	0.07
04043045	Slaughterhouse Creek	Scales Creek	Lat 47°16'42", long 88°23'21", in NW1/4 SE1/4 sec.05, T.56 N., R.32 W., Houghton County, at end of road, 0.3 mile south of Copper City, MI.	8.00	07-08-75 08-06-75 07-29-76	1.59 0.52 0.85
04043050	Trap Rock River	Torch Lake	Lat 47°13'43", long 88°23'07", in SE1/4 SE1/4 sec.20, T.56 N., R.32 W., Houghton County, 2.0 miles northeast of Lake Linden, MI.	28.0	10-15-63 09-23-66	11.3 12.5
04043052	Hammell Creek	Trap Rock River	Lat 47°12'17", long 88°24'16", in NE1/4 SE1/4 sec.31, T.56 N., R.32 W., Houghton County, at county road, 0.5 mile above mouth,	5.00	08-27-69 08-26-70 08-05-75	0.25 0.38 2.72
04043053	Sawmill Creek	Torch Lake	Lat 47°11'10", long 88°23'37", in SW1/4 SE1/4 sec.05, T.55 N., R.32 W., Houghton County, at county road, 0.8 mile east of Lake Linden, MI.	5.00	08-05-75 07-29-76	0.66 0.52
04043055	Snake River	Portage Lake	Lat 46°59'55", long 88°28'49", in SW1/4 sec.10, T.53 N., R.33 W., Houghton County, at U.S. Hwy. 41, 3.0 miles southeast of Chassell, MI.	---	03-29-45 04-14-55 04-19-55 04-24-57 04-19-60 04-28-60	422 312 128 560 362 542
04043060	Kelsey Creek	Keweenaw Bay	Lat 46°52'38", long 88°28'40", in NE1/4 NW1/4 sec.27, T.52 N., R.33 W., Baraga County, at U.S. Hwy. 41, 1.2 miles north of Keweenaw Bay, MI.	4.65	09-01-70	0.10
04043070	Hazel Creek	Keweenaw Bay	Lat 46°45'10", long 88°30'20", in SW1/4 sec.01, T.50 N., R.34 W., Baraga County, at D.S.S. & A. Railway, 1.8 miles southwest of Baraga, MI.	4.00	08-26-69 08-20-70	2.07 1.07
04043080	Six Mile Creek	Keweenaw Bay	Lat 46°44'58", long 88°30'34", in NW1/4 sec.12, T.50 N., R.34 W., Baraga County, at D.S.S. & A. Railway, 2.0 miles southwest of Barage, MI.	11.0	08-28-69 08-27-70 08-06-75 07-28-76	10.6 8.38 5.31 0.42
04043100	Falls River	Keweenaw Bay	Lat 46°45'06", long 88°27'08", in SE1/4 sec.05, T.50 N., R.33 W., Baraga County, at U.S. Hwy. 41, 0.5 mile upstream of mouth, at L'Anse, MI.	47.9	08-06-75 07-28-76	18.1 16.2
04043105	Linden Creek	Keweenaw Bay	Lat 46°45'37", long 88°26'48", in SW1/4 NW1/4 sec.04, T.50 N., R.33 W., Baraga County, 300 feet upstream from municipal sewage treatment plant, at L'Anse, MI.	9.00	08-06-75 07-28-76 08-30-76	1.49 1.71 1.33
04043150	Silver River	Huron Bay	Lat 46°48'16", long 88°18'58", in NW1/4 sec.24, T.51 N., R.32 W., Baraga County, 7.5 miles northeast of L'Anse, MI.	64.0	10-15-63 09-01-70 08-24-76	10.1 9.44 6.86
04043165	Slate River	Huron Bay	Lat 46°50'00", long 88°15'31", in NE1/4 sec.08, T.51 N., R.31 W., Baraga County, at county road, 3.0 miles southwest of Skanee, MI.	18.3	08-25-76	0.79
04043200	Huron River	Lake Superior	Lat 46°51'54", long 88°04'57", in NW1/4 sec.35, T.52 N., R.30 W., Baraga County, 6.0 miles east of Skanee, MI.	74.0	10-15-63 09-01-70 08-25-76	14.3 9.82 4.74

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04043250	Salmon Trout River	Lake Superior	Lat 46°50'56", long 87°47'56", in NE1/4 sec.01, T.51 N., R.28 W., Marquette County, at county road, 4.0 miles northwest of Big Bay, MI.	40.0	09-01-70	29.1
					07-13-71	51.4
					08-17-71	34.0
					09-15-71	33.0
					08-19-76	29.9
04043295	Yellow Dog River	Lake Independence	Lat 46°45'26", long 87°39'40", in SW1/4 sec.31, T.51 N., R.26 W., Marquette County, at County Road 550, 5.0 miles southeast of Big Bay, MI.	68.0	08-06-63	31.1
					09-01-70	31.8
					08-19-76	30.6
04043300	Iron River	Lake Superior	Lat 46°48'42", long 87°40'38", in SW1/4 sec.13, T.51 N., R.27 W., Marquette County, at outlet of Lake Independence, 2.5 miles east of Big Bay, MI.	97.2	05-18-45	79.5
					04-26-46	89.8
					05-30-47	164
					09-24-47	72.5
					06-04-48	55.1
					10-27-48	32.6
					04-29-49	174
					10-21-49	56.4
					05-18-50	531
					09-06-50	49.3
					10-23-50	43.7
					05-18-51	272
					08-24-51	83.2
					10-19-51	107
					04-30-52	240
					10-17-52	38.3
					05-15-53	253
					07-27-53	88.3
					10-12-53	64.3
					05-14-54	380
					09-14-54	58.9
					05-03-55	163
					07-29-55	52.3
					10-17-55	80.2
					05-10-56	291
					07-25-56	169
					10-04-56	49.7
					05-09-57	117
					07-25-57	59.4
					10-11-57	38.7
					04-22-58	404
					07-23-58	89.8
					10-22-58	51.5
					05-13-59	144
					06-11-59	61.0
					10-14-59	71.1
					09-01-70	27.4
04043330	Big Garlic River	Sauk Head Lake	Lat 46°42'09", long 87°34'23", in SE1/4 NE1/4 sec.29, T.50 N., R.26 W., Marquette County, above Wilson Creek, at bridge to Garlic Mountain, 11.0 miles southeast of Big Bay, MI.	15.9	08-23-76	5.46
04043360	Little Garlic River	Lake Superior	Lat 46°40'27", long 87°32'27", in SE1/4 NW1/4 sec.03, T.49 N., R.26 W., Marquette County, at County Road 550, 13.5 miles southeast of Big Bay, MI.	15.0	08-23-76	1.30
04043400	Little Dead River	Dead River	Lat 46°33'39", long 87°41'57", in NE1/4 sec.17, T.48 N., R.27 W., Marquette County, at County Highway 573, 5.0 miles north of Ishpeming, MI.	12.0	09-07-56	9.68
					11-04-65	12.7
					06-02-66	12.6
					09-08-66	1.11
					11-18-66	11.2
					02-22-67	6.70
					05-07-67	28.2
					08-10-67	10.0
					10-03-67	5.57
					01-30-68	6.33
					07-26-68	9.93
					11-05-68	22.2
					01-22-69	13.0
					07-07-69	9.23
					08-13-69	5.98
					11-05-69	11.0
					02-18-70	5.33
					06-23-70	7.12
					08-10-70	0.56
04044180	Carp Creek	Deer Lake	Lat 46°30'04", long 87°45'34", in NW1/4 sec.01, T.47 N., R.28 W., Marquette County, at outlet of North Lake, near Greenwood, MI.	---	01-10-49	0.67
					03-30-49	0.73
					04-15-49	2.47
					04-25-49	1.41
					06-29-49	0.95

Table I.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04044185	Carp Creek	Deer Lake	Lat 46°30'00", long 87°44'53", in NE1/4 sec.01, T.47 N., R.28 W., Marquette County, above Carp Creek diversion channel, near Ishpeming, MI.	---	09-13-48	0.43
					09-17-48	0.00
					04-15-49	1.42
					04-25-49	0.41
					05-31-49	0.37
					06-15-49	0.56
					06-21-49	0.80
					06-29-49	0.35
					07-06-49	3.01
					07-12-49	0.79
					08-02-49	1.58
					08-30-49	0.67
					10-04-49	0.67
					11-10-49	0.82
					05-02-50	1.27
					05-16-50	10.3
					05-23-50	4.41
					06-05-50	4.29
					06-13-50	3.66
					06-20-50	3.04
					06-27-50	3.80
					07-11-50	2.26
					07-25-50	2.41
					08-08-50	2.55
					08-22-50	1.76
					08-29-50	1.58
					09-19-50	1.15
					10-10-50	1.05
04044187	Carp Creek	Deer Lake	Lat 46°29'58", long 87°44'24", in NE1/4 sec.01, T.47 N., R.28 W., Marquette County, in Carp Creek diversion channel, near Ishpeming, MI.	---	09-13-48	0.50
					09-17-48	1.06
					09-24-48	1.55
					04-15-49	1.42
					04-25-49	0.41
					05-31-49	0.37
					06-15-49	0.56
					06-21-49	0.80
					07-06-49	3.01
					07-12-49	0.78
					08-02-49	1.58
					08-30-49	0.67
					10-04-49	3.57
					11-10-49	4.00
					05-02-50	7.84
					05-16-50	28.7
					05-23-50	13.8
					06-05-50	11.2
					06-13-50	7.70
					06-20-50	7.89
					06-27-50	6.94
					07-11-50	7.48
					07-25-50	6.52
					08-08-50	6.52
					08-22-50	5.27
					08-29-50	5.31
					09-19-50	4.95
					10-10-50	4.21
04044200	Carp Creek	Deer Lake	Lat 46°29'11", long 87°41'21", in NW1/4 sec.09, T.47 N., R.27 W., Marquette County, at U.S. Hwy. 41A, at Ishpeming, MI.	16.5	08-16-61	5.16
					09-10-61	5.61
					09-22-61	6.52
					02-12-62	4.50
					06-28-62	5.98
					08-22-62	3.94
					10-15-62	7.88
					02-12-63	3.99
					04-26-63	12.0
					07-01-63	5.84
					07-16-63	5.02
					10-02-63	4.41
					02-11-64	4.38
					05-18-64	14.8
					08-20-64	7.67
					01-21-65	8.91
					07-21-65	9.47
					12-09-65	13.6
					01-14-66	11.3
					02-08-66	9.60
					03-14-66	16.8
					04-19-66	71.2
					06-02-66	12.9
					07-06-66	9.01
					08-03-66	20.8
					08-31-66	9.60
					10-09-66	12.5
					11-18-66	18.4
					12-24-66	14.0
					02-02-67	13.5

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04044200	Carp Creek	Deer Lake	Continued		03-06-67	10.3
					04-23-67	39.8
					05-17-67	19.9
					07-19-67	13.0
					08-17-67	10.2
					09-26-67	10.2
					11-29-67	14.4
					12-21-67	15.5
					01-30-68	12.1
					05-24-68	29.9
					07-26-68	13.8
					08-21-68	18.2
					10-17-68	19.8
					11-12-68	19.0
					12-12-68	17.9
					01-21-69	16.8
					03-04-69	15.1
					05-06-69	47.6
					06-18-69	22.5
					07-15-69	13.5
					08-14-69	11.4
					03-02-72	11.5
					05-24-72	25.7
					03-14-73	52.3
					04-04-73	42.0
					04-15-81	29.3
04044202	Carp Creek	Deer Lake	Lat 46°29'51", long 87°40'55", in SE1/4 sec.04, T.47 N., R.27 W., Marquette County, 100 feet upstream of Partridge Creek, at Ishpeming, MI.	---	09-07-56	9.68
04044206	Partridge Creek	Carp Creek	Lat 46°29'39", long 87°40'34", in SE1/4 sec.03, T.47 N., R.27 W., Marquette County, at Ishpeming, MI.	---	04-21-48	9.04
					09-02-48	0.12
					10-26-48	0.06
					11-09-48	0.29
					12-08-48	1.70
					12-14-48	0.48
					04-15-49	8.84
					04-29-49	1.55
					04-29-49	1.61
					05-05-49	9.08
					05-18-49	1.34
					05-24-49	1.17
					05-31-49	0.79
					06-02-49	0.57
					06-07-49	0.31
					06-08-49	0.26
					07-06-49	9.80
					07-11-49	1.56
					08-10-49	1.82
					08-16-49	0.82
					08-24-49	0.46
					09-06-49	4.78
					09-13-49	2.97
					09-15-49	1.31
					09-23-49	0.74
					10-17-49	0.57
					11-16-49	2.50
					04-29-50	6.60
					05-02-50	4.78
					05-05-50	29.7
					05-16-50	12.2
					05-22-50	3.70
					05-23-50	3.09
					05-25-50	3.79
					05-31-50	17.1
					06-01-50	11.2
					06-05-50	2.80
					06-13-50	1.18
					06-19-50	0.91
04044210	Carp Creek	Deer Lake	Lat 46°29'35", long 87°41'04", in SE1/4 sec.04, T.47 N., R.27 W., Marquette County, 1.0 mile west of Ishpeming, MI.	---	10-04-60	21.0

Table I.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04044300	Gold Mine Creek	Deer Lake	Lat 46°31'24", long 87°42'39", in SW1/4 sec.29, T.48 N., R.27 W., Marquette County, at mouth, 2.0 miles northwest of Ishpeming, MI.	4.89	10-04-60 08-16-61 09-10-61 09-22-61 02-12-62 06-28-62 08-22-62 10-15-62 02-12-63 04-26-63 07-01-63 07-16-63 10-02-63 02-19-64 05-20-64 08-20-64 01-06-65 07-21-65	8.09 2.77 2.45 2.55 3.10 3.63 3.06 3.40 3.02 5.63 5.55 3.92 3.50 2.82 5.84 2.84 4.75 1.49
04044340	Carp River	Lake Superior	Lat 46°30'56", long 87°40'29", in NW1/4 sec.27, T.48 N., R.27 W., Marquette County, at outlet of Deer Lake, 3.0 miles north of Ishpeming, MI.	---	07-12-63	29.1
04044360	Carp River	Lake Superior	Lat 46°31'50", long 87°36'14", in SE1/4 NW1/4 sec.30, T.48 N., R.26 W., Marquette County, at Baldwin Rd., 1.8 miles north of Negaunee, MI.	43.8	07-12-63 08-24-76	27.3 31.0
04044370	Teal Lake Outlet	Carp River	Lat 46°31'00", long 87°36'42", in SW1/4 NW1/4 sec.31, T.48 N., R.26 W., Marquette County, 1,000 feet downstream from Teal Lake, at Negaunee, MI.	---	08-14-69	0.65
04044371	Teal Lake Outlet	Carp River	Lat 46°31'02", long 87°36'24", in NE1/4 NW1/4 sec.31, T.48 N., R.26 W., Marquette County, 150 feet downstream from county road, at Negaunee, MI.	---	08-14-69	0.60
04044380	Unnamed tributary	Carp River	Lat 46°31'53", long 87°35'24", in NW1/4 sec.29, T.48 N., R.26 W., Marquette County, 2.5 miles northeast of Negaunee, MI.	---	07-12-63	0.21
R 04044401	Carp River	Lake Superior	Lat 46°31'07", long 87°33'39", in NE1/4 sec.33, T.48 N., R.26 W., Marquette County, at County Road 492, 2.5 miles northeast of Negaunee, MI.	52.2	07-12-63 08-24-76	31.2 32.8
R 04044402	Outflow of Maas and Negaunee Mines	Carp River	Lat 46°30'54", long 87°35'08", in SE1/4 SW1/4 sec.32, T.48 N., R.26 W., Marquette County, near end of trail road to Negaunee Mine, 1.0 mile east of Negaunee, MI.	---	10-19-78 11-08-78 12-13-78 07-16-79	1.11 1.10 1.09 1.19
R 04044403	Carp River	Lake Superior	Lat 46°30'18", long 87°29'42", in NW1/4 sec.02, T.47 N., R.26 W., Marquette County, 4.0 miles east of Negaunee, MI.	---	07-12-63	32.2
R 04044404	Carp River	Lake Superior	Lat 46°30'02", long 87°30'26", in NW1/4 sec.01, T.47 N., R.26 W., Marquette County, above diversion to mine, 5.5 miles east of Negaunee, MI.	---	07-12-63	32.4
R 04044405	Carp River	Lake Superior	Lat 46°30'18", long 87°29'42", in NE1/4 sec.01, T.47 N., R.26 W., Marquette County, below diversion to mine, 5.5 miles east of Negaunee, MI.	---	07-12-63	32.2
R 04044406	Carp River	Lake Superior	Lat 46°29'39", long 87°28'15", in SE1/4 sec.06, T.47 N., R.25 W., Marquette County, at county road, 200 feet upstream of Carp Lake, 5.5 miles west of Harvey, MI.	62.0	07-12-63 08-23-76	33.5 37.0

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	 Discharge (ft³/s)
04044447	Morgan Creek	Carp River	Lat 46°31'10", long 87°30'44", in NE1/4 NE1/4 sec.35, T.48 N., R.26 W., Marquette County, at L.S. & I. Railway, 5.0 miles east of Negaunee, MI.	2.00	12-19-69	4.14
					08-18-76	3.08
04044450	Morgan Creek	Carp River	Lat 46°30'26", long 87°26'30", in SE1/4 SW1/4 sec.33, T.48 N., R.25 W., Marquette County, 800 feet upstream of mouth, 3.5 miles southwest of Marquette, MI.	6.75	10-29-64	8.74
					07-21-65	9.26
					11-04-65	9.76
					06-01-66	13.1
					09-08-66	9.48
					11-18-66	11.8
					03-07-67	6.73
					04-28-67	16.4
					08-10-67	10.9
					10-03-67	10.9
					01-10-68	9.04
					07-26-68	12.9
					11-06-68	13.8
					02-05-69	12.2
					07-08-69	14.0
					08-13-69	12.3
					11-06-69	12.6
					12-19-69	11.8
					06-23-70	10.5
					08-18-76	9.52
04044460	Carp River	Lake Superior	Lat 46°30'37", long 87°23'25", in NE1/4 SW1/4 sec.35, T.48 N., R.25 W., Marquette County, 300 feet south of powerplant on canal, 1.0 mile south of Marquette, MI.	---	08-18-76	13.3
04044462	Carp Canal	Carp River	Lat 46°31'16", long 87°23'04", in NW1/4 SW1/4 sec.36, T.48 N., R.25 W., Marquette County, at mouth, 1.0 mile south of Marquette, MI.	---	08-18-76	36.0
04044531	Silver Lead Creek	West Branch Chocolay River	Lat 46°19'43", long 87°23'03", in NW1/4 sec.01, T.45 N., R.25 W., Marquette County, above treatment plant, at K.I. Sawyer Air Force Base, 4.5 miles northeast of Gwinn, MI.	1.87	06-24-65	5.50
					09-01-70	5.76
04044532	Silver Lead Creek	West Branch Chocolay River	Lat 46°20'05", long 87°22'21", in SW1/4 SE1/4 sec.36, T.46 N., R.25 W., Marquette County, below treatment plant, at K.I. Sawyer Air Force Base, 4.5 miles northeast of Gwinn, MI.	1.87	07-26-63	7.31
					07-21-64	8.57
04044534	West Branch Chocolay River	Chocolay River	Lat 46°21'00", long 87°20'58", in SE1/4 SE1/4 sec.30, T.46 N., R.24 W., Marquette County, below Wilson Lake Outlet, 5.5 miles southeast of Sands, MI.	5.78	07-26-63	14.3
					07-21-64	10.5
04044536	West Branch Chocolay River	Chocolay River	Lat 46°21'52", long 87°19'27", in SW1/4 SW1/4 sec.21, T.46 N., R.24 W., Marquette County, 5.5 miles southeast of Sands, MI.	8.24	07-26-63	15.7
					07-21-64	13.4
04044537	West Branch Chocolay River	Chocolay River	Lat 46°22'32", long 87°16'59", in NE1/4 NE1/4 sec.22, T.46 N., R.24 W., Marquette County, at county road, 2.0 miles west of Skandia, MI.	10.0	06-02-71	23.1
					08-17-71	22.3
					09-13-71	23.4
04044538	West Branch Chocolay River	Chocolay River	Lat 46°22'38", long 87°16'32", in NW1/4 sec.23, T.46 N., R.24 W., Marquette County, 1.5 miles west of Skandia, MI.	10.4	07-26-63	20.6
					07-21-64	19.0
04044544	LeVasseur Creek	Lake LeVasseur	Lat 46°27'50", long 87°11'46", in SW1/4 sec.16, T.47 N., R.25 W., Marquette County, at County Road 480, 2.8 miles east of Mangum, MI.	13.0	05-08-72	72.8
					08-30-72	8.22
					11-09-72	37.1
					04-04-73	111
					07-19-73	0.75
					10-03-73	2.43
					12-13-73	8.61
					05-08-74	24.9
					07-13-76	0.03
					08-30-76	0.00
					09-13-76	0.00

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04044545	LeVasseur Creek	Kawbawgam Lake	Lat 46°28'42", long 87°12'57", in NW1/4 sec.17, T.47 N., R.23 W., Marquette County, at dam on outlet of Lake LaVasseur, 1.3 miles east of Kawbawgam Village, MI.	16.2	12-09-71	4.95
					05-08-72	103
					11-09-72	51.6
					04-04-73	122
					07-19-73	1.50
					01-13-76	3.50
					02-25-76	3.00
					04-09-76	105
					05-06-76	30.0
					08-30-76	0.00
					09-13-76	0.00
					06-02-79	34.0
04044552	Big Creek	Chocolay River	Lat 46°22'58", long 87°20'56", in NW1/4 NW1/4 sec.18, T.46 N., R.24 W., Marquette County, 3.0 miles southeast of Sands, MI.	2.69	07-26-63	4.99
					07-21-64	3.98
04044554	Big Creek	Chocolay River	Lat 46°24'07", long 87°20'47", in NE1/4 sec.07, T.46 N., R.24 W., Marquette County, 0.4 mile upstream of Peterson Creek, 3.0 miles southeast of Sands, MI.	4.60	07-26-63	7.58
					07-21-64	7.12
					10-17-79	9.83
					07-15-80	10.3
					10-01-80	9.70
					07-14-81	9.19
04044555	Peterson Creek	Big Creek	Lat 46°24'59", long 87°24'22", in NW1/4 NW1/4 sec.02, T.46 N., R.25 W., Marquette County, at old County Road 553, 0.3 mile south of Sands, MI.	2.93	07-17-63	0.00
					07-21-64	0.00
					08-07-79	0.00
					10-17-79	0.00
					07-15-80	0.00
					10-01-80	0.00
					07-14-81	0.00
R 04044556	Peterson Creek	Big Creek	Lat 46°25'17", long 87°22'34", in SE1/4 SW1/4 sec.36, T.47 N., R.25 W., Marquette County, 1.5 miles east of Sands, MI.	4.30	07-17-63	0.15
					07-21-64	0.08
04044557	Peterson Creek	Big Creek	Lat 46°24'44", long 87°21'53", in SE1/4 NW1/4 sec.06, T.46 N., R.24 W., Marquette County, at point where trail road nears stream, 2.0 miles east of Sands, MI.	5.38	08-08-79	2.24
					10-17-79	2.06
					07-15-80	2.05
					10-01-80	2.53
					07-14-81	2.02
04044558	Norby Creek	Peterson Creek	Lat 46°24'07", long 87°21'38", in NE1/4 NW1/4 sec.07, T.46 N., R.24 W., Marquette County, at logging bridge 1,000 feet upstream of old trail crossing, 2.5 miles southeast of Sands, MI.	1.41	08-08-79	0.14
					10-17-79	0.17
					07-15-80	0.14
					10-01-80	0.14
04044559	Peterson Creek	Big Creek	Lat 46°24'21", long 87°20'38", in SW1/4 SW1/4 sec.05, T.46 N., R.24 W., Marquette County, about 500 feet upstream of mouth, 3.2 miles east of Sands, MI.	7.24	08-23-62	2.96
					07-26-63	2.23
					07-21-64	1.92
					08-07-79	3.06
					08-07-79	2.97
					10-17-79	2.54
					05-21-80	2.76
					07-15-80	2.68
					10-01-80	2.89
					05-13-81	2.76
					07-14-81	2.41
04044560	Big Creek	Chocolay River	Lat 46°24'43", long 87°19'57", in NW1/4 SE1/4 sec.05, T.46 N., R.24 W., Marquette County, at old road crossing, 0.7 mile downstream of Peterson Creek, 3.6 miles east of Sands, MI.	14.4	08-23-62	18.0
					07-26-63	13.8
					07-21-64	12.6
					08-07-69	13.9
					10-17-79	15.0
					05-20-80	16.2
					07-15-80	16.2
					10-02-80	15.2
					05-13-81	17.6
					07-15-81	15.5
04044561	Big Creek	Chocolay River	Lat 46°25'38", long 87°20'06", in SW1/4 NE1/4 sec.32, T.47 N., R.24 W., Marquette County, at Karen Rd., 3.5 miles east of Sands, MI.	15.8	08-17-62	19.8
					08-23-62	25.2
					07-26-63	18.7
					07-21-64	16.8
					08-07-79	20.5
					10-17-79	21.2
					07-15-80	21.3
					10-02-80	23.8

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	 Discharge (ft^3/s)
04044563	Big Creek	Chocolay River	Lat 46°26'04", long 87°19'04", in SE1/4 SW1/4 sec.28, T.47 N., R.24 W., Marquette County, at county road, 5.0 miles southeast of Harvey, MI.	17.0	10-25-63	27.3
					05-12-64	28.1
					07-21-64	24.8
					11-19-64	25.1
					08-20-65	23.5
					06-01-66	25.6
					09-08-66	23.2
					11-18-66	29.9
					02-21-67	28.6
					05-05-67	27.5
					08-10-67	26.3
					11-15-67	28.0
					02-02-68	29.7
					07-26-68	25.0
					11-06-68	28.0
					03-04-69	26.1
					07-08-69	28.5
					08-13-69	28.1
					11-05-69	30.6
					02-20-70	26.6
					06-23-70	30.1
					11-05-81	28.6
04044567	Big Creek	Chocolay River	Lat 46°27'55", long 87°19'07", in SE1/4 SW1/4 sec.16, T.47 N., R.24 W., Marquette County, at U.S. Hwy. 41, 0.2 mile northwest of Beaver Grove, MI.	24.0	08-07-79	42.0
					10-17-79	40.7
					05-20-80	38.5
					07-15-80	38.0
					10-02-80	40.2
					05-13-81	39.7
					07-14-81	37.0
04044570	Cedar Creek	Chocolay River	Lat 46°26'11", long 87°24'20", in SW1/4 SW1/4 sec.26, T.47 N., R.25 W., Marquette County, 0.3 mile east of old County Road 553, 1.2 miles north of Sands, MI.	5.44	07-17-63	0.10
					07-21-64	0.30
					08-07-79	0.23
					10-17-79	0.30
					05-21-80	0.25
					07-15-80	0.21
					10-01-80	0.26
					05-13-81	0.24
					07-14-81	0.25
04044572	Cedar Creek	Chocolay River	Lat 46°27'08", long 87°22'46", in NE1/4 SW1/4 sec.24, T.47 N., R.25 W., Marquette County, 2.5 miles northeast of Sands, MI.	7.67	07-26-63	8.50
					07-21-64	7.93
					08-07-79	9.78
					10-17-79	10.9
					07-15-80	8.31
					10-02-80	10.5
					07-14-81	10.1
04044573	Cedar Creek	Chocolay River	Lat 46°27'20", long 87°21'42", in NW1/4 SW1/4 sec.19, T.47 N., R.24 W., Marquette County, 0.3 mile upstream from county road, 2.5 miles south of Harvey, MI.	9.04	11-05-81	13.4
04044574	Cedar Creek	Chocolay River	Lat 46°27'23", long 87°21'25", in SE1/4 NW1/4 sec.19, T.47 N., R.24 W., Marquette County, at road, 2.8 miles south of Harvey, MI.	9.17	08-17-62	11.3
					07-26-63	10.6
					10-25-63	10.6
					05-12-64	11.6
					07-21-64	10.2
					11-19-64	11.1
					08-20-65	10.9
					06-01-66	10.5
					09-08-66	11.1
					11-18-66	12.0
					02-21-67	10.8
					04-28-67	10.7
					08-10-67	11.4
					11-15-67	11.1
					02-02-68	11.6
					07-26-68	11.0
					11-06-68	11.6
					03-04-69	11.7
					07-08-69	13.3
					08-03-69	12.2
					11-06-69	12.3
					02-20-70	12.0
					06-23-70	12.4
04044577	Cedar Creek	Chocolay River	Lat 46°28'23", long 87°19'46", in SE1/4 NE1/4 sec.17, T.47 N., R.24 W., Marquette County, at U.S. Hwy. 41, 0.9 mile northwest of Beaver Grove, MI.	10.6	08-07-79	20.0
					10-17-79	19.5
					05-20-80	18.1
					07-15-80	17.8
					10-02-80	18.3
					05-13-81	18.3
					07-14-81	17.7

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	 Discharge (ft³/s)
04044580	Cherry Creek	Chocolay River	Lat 46°27'43", long 87°24'20", in NW1/4 NW1/4 sec.23, T.47 N., R.25 W., Marquette County, 3.3 miles southwest of Harvey, 4.0 miles northeast of Cascade, MI.	0.14	07-26-63	0.20
					07-21-64	0.05
					08-07-79	0.04
					10-17-79	0.02
					07-15-80	0.02
					10-02-80	0.03
04044581	Cherry Creek	Chocolay River	Lat 46°27'47", long 87°23'31", in NW1/4 NE1/4 sec.23, T.47 N., R.25 W., Marquette County, about 600 feet north of County Road 480, 3.1 miles northwest of Sands, MI.	0.33	07-26-63	4.78
					07-21-64	4.40
					08-07-79	5.88
					10-17-79	5.44
					05-20-80	5.30
					07-15-80	5.26
					10-02-80	5.79
					05-13-81	6.26
					07-14-81	5.65
04044582	Cherry Creek	Chocolay River	Lat 46°28'02", long 87°22'52", in NW1/4 SW1/4 sec.13, T.47 N., R.25 W., Marquette County, at end of trail road, 2.2 miles southwest of Harvey, 4.9 miles northeast of Gentian, MI.	0.61	07-26-63	9.24
					07-21-64	9.67
					05-22-73	9.80
					08-07-79	9.22
					10-17-79	10.6
					07-15-80	9.75
					10-01-80	9.56
					07-15-81	9.70
04044583	Cherry Creek	Chocolay River	Lat 46°27'57", long 87°21'53", in NE1/4 SE1/4 sec.13, T.47 N., R.25 W., Marquette County, 0.5 mile upstream from County Road 551, 2.0 miles south of Harvey, MI.	4.53	10-25-63	16.6
					05-12-64	17.7
					07-21-64	18.6
					11-19-64	19.0
					08-20-65	17.0
					08-19-71	18.9
					09-21-71	18.0
					06-26-72	19.4
					10-30-72	17.6
					05-22-73	19.6
					05-08-74	20.3
					09-11-74	18.4
					07-01-75	20.6
					10-22-75	19.2
					07-13-76	19.6
					09-16-76	19.4
					05-18-77	19.7
					09-20-77	19.2
					11-01-77	18.3
					06-13-78	18.7
					09-28-78	19.6
					11-21-78	18.8
					05-23-79	20.9
					11-06-81	19.4
04044584	Cherry Creek	Chocolay River	Lat 46°28'08", long 87°21'22", in NE1/4 SW1/4 sec.18, T.47 N., R.24 W., Marquette County, 1.8 miles south of Harvey, MI.	5.03	08-17-62	21.0
					07-26-63	19.9
					07-21-64	19.2
04044585	Cherry Creek	Chocolay River	Lat 46°28'09", long 87°21'25", in NE1/4 SW1/4 sec.18, T.47 N., R.24 W., Marquette County, at County Road 551, 1.5 miles south of Harvey, MI.	5.05	05-23-73	22.8
04044586	Cherry Creek	Chocolay River	Lat 46°28'45", long 87°20'18", in SE1/4 SW1/4 sec.08, T.47 N., R.24 W., Marquette County, at U.S. Hwy. 41, 1.5 miles northwest of Beaver Grove, MI.	5.07	08-07-79	26.8
					10-17-79	26.6
					05-20-80	25.8
					07-15-80	25.3
					10-02-80	25.5
					05-13-81	27.7
					07-15-81	25.4
04044588	Chocolay River	Lake Superior	Lat 46°28'45", long 87°20'19", in NE1/4 sec.08, T.47 N., R.24 W., Marquette County, at State Hwy. M-28, 1.5 miles southeast of Harvey, MI.	149	06-22-48	129
					07-26-63	104
					07-21-64	105
R 04044589	Silver Creek	Chocolay River	Lat 46°28'33", long 87°24'33", in NE1/4 NE1/4 sec.15, T.47 N., R.25 W., Marquette County, 3.0 miles southwest of Harvey, MI.	3.78	07-25-63	0.18
					07-21-64	0.10

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
R 04044590	Silver Creek	Chocolay River	Lat 46°28'22", long 87°23'48", in SE1/4 NW1/4 sec.14, T.47 N., R.25 W., Marquette County, at trail crossing, 2.5 miles southwest of Harvey, MI.	4.37	07-26-63	2.90
					07-21-64	2.68
					08-07-79	3.41
					10-17-79	3.18
					07-15-80	3.13
					10-01-80	3.59
					07-14-81	3.23
R 04044591	Silver Creek	Chocolay River	Lat 46°28'12", long 87°23'06", in SW1/4 NW1/4 sec.13, T.47 N., R.25 W., Marquette County, 0.7 mile upstream of unnamed tributary, 3.4 miles west of Beaver Grove, MI.	4.57	07-15-80	2.58
					10-01-80	2.89
04044592	Silver Creek	Chocolay River	Lat 46°28'48", long 87°23'07", in SW1/4 SW1/4 sec.12, T.47 N., R.25 W., Marquette County, at Silver Creek Rd, 1.7 miles southwest of Harvey, MI.	4.88	08-23-62	2.76
					07-26-63	1.81
					07-21-64	1.67
					08-07-79	2.46
					10-17-79	2.54
					05-21-80	2.71
					07-15-80	2.35
					10-01-80	2.69
					05-14-81	2.53
					07-14-81	2.05
04044593	Unnamed tributary	Silver Creek	Lat 46°28'56", long 87°23'01", in NW1/4 SW1/4 sec.12, T.47 N., R.25 W., Marquette County, at mouth, 1.5 miles southwest of Harvey, MI.	1.09	08-07-79	0.08
					10-17-79	0.06
					07-15-80	0.02
					10-01-80	0.04
04044594	Silver Creek	Chocolay River	Lat 46°28'57", long 87°22'58", in NW1/4 SW1/4 sec.12, T.47 N., R.25 W., Marquette County, below unnamed tributary, 1.5 miles southwest of Harvey, MI.	6.83	07-26-63	5.66
					07-21-64	5.27
04044595	Silver Creek	Chocolay River	Lat 46°29'24", long 87°22'19", in NW1/4 NE1/4 sec.12, T.47 N., R.25 W., Marquette County, at Silver Creek Rd., 0.8 mile southwest of Harvey, MI.	8.58	08-23-62	9.72
					07-26-63	7.54
					10-25-63	7.12
					05-12-64	7.32
					07-21-64	7.05
					11-19-64	7.05
					11-19-64	6.99
					11-06-81	8.97
04044597	Silver Creek	Chocolay River	Lat 46°29'22", long 87°20'16", in NE1/4 NW1/4 sec.08, T.47 N., R.24 W., Marquette County, at Lake Superior and Ishpeming Railroad, 1.2 miles southeast of Harvey, MI.	9.91	06-22-48	8.84
					08-07-79	8.85
					10-17-79	9.17
					05-20-80	8.91
					07-15-80	8.51
					10-01-80	8.82
					05-13-81	9.16
					07-14-81	8.08
04044610	Sand River	Lake Superior	Lat 46°29'22", long 87°07'31", in NW1/4 NE1/4 sec.12, T.47 N., R.23 W., Marquette County, at Duluth South Shore and Atlantic Railroad, 0.5 mile southwest of Sand River, MI.	29.5	05-20-80	10.7
					05-28-80	3.91
					06-02-80	29.1
					06-17-80	14.4
					07-16-80	2.62
					08-26-80	0.35
					09-16-80	39.1
					10-14-80	8.03
					11-04-80	12.5
					03-30-81	206
					08-20-81	2.29
04044620	Laughing Whitefish River	Lake Superior	Lat 46°29'38", long 87°03'03", in SW1/4 sec.03, T.47 N., R.22 W., Alger County, at State Hwy. M-28, near Au Train, MI.	---	09-16-60	16.0
04044624	Deer Lake Outlet	Lake Superior	Lat 46°28'39", long 86°56'12", in NE1/4 NE1/4 sec.17, T.47 N., R.21 W., Alger County, at State Hwy. M-28, at Shelter Bay, 4.5 miles east of Deerton, MI.	6.81	08-30-76	0.00
04044630	Rock River	Shelter Bay	Lat 46°27'49", long 86°54'56", in SE1/4 sec.15, T.47 N., R.21 W., Alger County, at State Hwy. M-28, 4.2 miles northwest of Au Train, MI.	45.0	09-16-60	26.6
					05-04-72	333
					05-23-72	49.8
					08-30-72	22.0

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

					Measurements	
Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)
04044715	Slapneck Creek	Au Train River	Lat 46°20'35", long 86°53'14", in SE1/4 NE1/4 sec.35, T.46 N., R.21 W., Alger County, along Lake Superior and Ishpeming Railway, 2.0 miles east of Chatham, MI.	11.0	09-20-67 08-25-69 08-17-70	1.34 2.77 5.02
04044730	Au Train River	Au Train Bay	Lat 46°24'48", long 86°50'32", in NW1/4 sec.05, T.46 N., R.20 W., Alger County, at county highway, at Au Train, MI.	---	10-19-44 09-23-49 11-16-49	106 108 104
04044732	Anna River	Lake Superior	Lat 46°23'04", long 86°41'25", in SE1/4 NW1/4 sec.16, T.46 N., R.19 W., Alger County, 150 feet upstream of unnamed tributary, 2.2 miles southwest of Munising, MI.	4.00	07-19-76	6.36
04044733	Anna River	Lake Superior	Lat 46°23'01", long 86°41'11", in NW1/4 SE1/4 sec.16, T.46 N., R.19 W., Alger County, 100 feet upstream of Valley Spur Creek, 2.1 miles southwest of Munising, MI.	7.00	07-19-76	6.28
04044734	Valley Spur Creek	Anna River	Lat 46°22'56", long 86°41'06", in NW1/4 SE1/4 sec.16, T.46 N., R.19 W., Alger County, at mouth, 2.1 miles southwest of Munising, MI.	5.00	07-19-76	10.8
04044735	Anna River	Lake Superior	Lat 46°23'01", long 86°41'02", in NW1/4 SE1/4 sec.16, T.46 N., R.19 W., Alger County, 150 feet downstream of Valley Spur Creek, 2.0 miles southwest of Munising, MI.	12.0	02-08-77	15.9
04044736	Anna River	Lake Superior	Lat 46°23'23", long 86°38'59", in NE1/4 NW1/4 sec.14, T.46 N., R.19 W., Alger County, 150 feet upstream of Wagner Creek, 1.0 mile south of Munising, MI.	15.0	07-19-76 02-08-77	30.4 28.7
04044737	Wagner Creek	Anna River	Lat 46°23'23", long 86°38'57", in NE1/4 NW1/4 sec.14, T.46 N., R.19 W., Alger County, at mouth, 1.2 miles south of Munising, MI.	5.00	03-28-72 07-19-76	4.55 4.00
04044740	Anna River	Lake Superior	Lat 46°24'12", long 86°38'52", in NW1/4 NE1/4 sec.11, T.46 N., R.19 W., Alger County, at State Hwy. M-28, at Munising, MI.	20.0	09-22-49 11-16-49 09-16-60 08-27-69 08-17-70 07-19-76 02-08-77	37.2 31.2 38.7 34.4 34.3 35.0 36.8
04044741	Joes Creek	Anna River	Lat 46°24'09", long 86°38'56", in NW1/4 NE1/4 sec.11, T.46 N., R.19 W., Alger County, at Prospect St., at Munising, MI.	2.00	07-19-76	1.40
04044742	Anna River	Lake Superior	Lat 46°24'18", long 86°38'42", in SW1/4 SE1/4 sec.02, T.46 N., R.19 W., Alger County, 100 feet upstream of municipal sewage treatment plant, at Munising, MI.	23.0	07-19-76 08-30-76	36.9 34.5
04044743	Tannery Creek	Lake Superior	Lat 46°25'02", long 86°37'47", in NW1/4 sec.01, T.46 N., R.19 W., Alger County, 500 feet upstream of mouth, 1.0 mile northeast of Munising, MI.	1.00	03-28-72	0.44
04044744	Munising Falls Creek	Lake Superior	Lat 46°25'28", long 86°37'27", in NW1/4 SE1/4 sec.36, T.47 N., R.19 W., Alger County, 0.3 mile upstream of mouth, at Munising, MI.	3.00	03-28-72 06-04-79 08-27-79 10-09-79 05-05-80 08-18-80 10-14-80 04-30-81 08-26-81 10-19-81 06-08-82	1.59 4.19 1.28 1.45 2.70 1.07 1.41 3.56 1.01 3.30 1.29

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04044750	Miners River	Lake Superior	Lat 46°25'12", long 86°31'23", in SE1/4 SW1/4 sec.35, T.47 N., R.18 W., Alger County, at State Hwy. M-94, 2.5 miles west of Van Meer, MI.	---	06-04-79	28.0
					08-27-79	5.44
					10-09-79	6.33
					05-05-80	19.6
					08-18-80	4.38
					10-15-80	5.51
					04-30-81	34.5
					08-26-81	3.99
					10-22-81	13.9
					06-08-82	9.47
04044755	Miners River	Lake Superior	Lat 46°29'18", long 86°32'26", in SW1/4 NE1/4 sec.10, T.47 N., R.18 W., Alger County, at Pictured Rocks Trail Rd., 7.5 miles northeast of Munising, MI.	---	06-04-79	78.9
					08-27-79	17.5
					10-09-79	15.4
					05-05-80	57.2
					08-18-80	14.6
					10-15-80	15.1
					04-07-81	107
					04-30-81	76.1
					08-26-81	12.6
					10-22-81	29.0
					06-08-82	31.8
04044759	Mosquito River	Lake Superior	Lat 46°29'16", long 86°28'05", in NW1/4 sec.08, T.47 N., R.17 W., Alger County, 3.0 miles northwest of Melstrand, at County Rd. 639, 4.8 miles north of Van Meer, MI.	6.00	03-28-72	6.08
04044762	Mosquito River	Lake Superior	Lat 46°31'07", long 86°28'41", in NW1/4 NE1/4 sec.31, T.48 N., R.17 W., Alger County, downstream from Mosquito Falls, 4.7 miles northwest of Melstrand, MI.	---	06-06-79	39.4
					08-28-79	7.00
					10-09-79	5.35
					05-06-80	24.5
					08-19-80	4.92
					10-14-80	6.80
					04-28-81	39.4
					08-25-81	3.81
					10-19-81	22.7
					06-07-82	9.85
04044765	Chapel Creek	Lake Superior	Lat 46°32'54", long 86°26'20", in NE1/4 NW1/4 sec.21, T.48 N., R.17 W., Alger County, 100 feet upstream of mouth, 6.0 miles north of Melstrand, MI.	---	08-28-79	4.33
					10-10-79	7.99
					05-07-80	13.3
					08-19-80	2.48
					10-14-80	6.52
					04-28-81	21.5
					08-25-81	2.12
					10-19-81	18.6
					06-07-82	4.50
04044766	Spray Creek	Lake Superior	Lat 46°33'27", long 86°24'38", in SE1/4 NE1/4 sec.15, T.48 N., R.17 W., Alger County, 100 feet upstream of mouth, 6.5 miles north of Melstrand, MI.	---	08-28-79	4.96
					10-10-79	6.44
					05-07-80	9.33
					08-19-80	6.18
					10-14-80	5.76
					04-28-81	10.5
					08-25-81	3.41
					10-19-81	13.8
					06-07-82	4.51
04044770	Beaver Creek	Lake Superior	Lat 46°43'39", long 86°21'02", in NE1/4 NE1/4 sec.07, T.48 N., R.16 W., Alger County, 0.7 mile downstream of Beaver Lake, 8.0 miles northeast of Melstrand, MI.	---	08-28-79	26.1
					10-10-79	30.5
					05-09-80	31.3
					08-20-80	23.0
					10-15-80	25.0
					04-29-81	39.8
					08-26-81	18.3
					10-20-81	34.5
					06-08-82	22.7
04044775	Sevenmile Creek	Lake Superior	Lat 46°37'15", long 86°15'31", in NW1/4 NW1/4 sec.25, T.49 N., R.16 W., Alger County, 100 feet upstream of mouth, 13.5 miles west of Grand Marais, MI.	---	06-06-79	21.3
					08-28-79	17.2
					05-06-80	19.5
					08-18-80	17.0
					10-16-80	16.2
					04-29-81	23.4
					08-27-81	15.5
					10-20-81	24.5
					06-09-82	18.4

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04044782	Sullivan Creek	Lake Superior	Lat 46°39'19", long 86°11'02", in NW1/4 SE1/4 sec.09, T.49 N., R.15 W., Alger County, at County Road H-58, 9.5 miles west of Grand Marais, MI.	---	06-05-79	7.36
					08-29-79	4.01
					10-10-79	5.03
					05-08-80	5.01
					08-19-80	3.34
					10-14-80	5.10
					04-28-81	6.45
					08-25-81	2.39
					10-21-81	6.34
					06-07-82	2.06
04044785	Hurricane River	Lake Superior	Lat 46°39'48", long 86°09'57", in NW1/4 NE1/4 sec.10, T.49 N., R.15 W., Alger County, at County Road H-58, 8.5 miles west of Grand Marais, MI.	15.0	09-16-60	16.1
					08-23-76	8.26
					06-05-79	27.5
					08-29-79	13.4
					10-10-79	16.5
					05-08-80	19.5
					08-19-80	12.2
					10-14-80	19.1
					04-28-81	29.8
					08-25-81	9.50
					10-21-81	29.2
					06-07-82	12.0
04044786	Sable Creek	Lake Superior	Lat 46°40'03", long 86°01'01", in SW1/4 SE1/4 sec.02, T.49 N., R.14 W., Alger County, 150 feet upstream of path to Sable Falls, 1.5 miles southwest of Grand Marais, MI.	---	06-05-79	29.1
					08-29-79	2.75
					10-10-79	7.21
					05-08-80	23.5
					08-19-80	9.01
					10-14-80	8.68
					04-07-81	44.0
					04-28-81	30.0
					08-25-81	7.32
					10-21-81	12.1
					06-07-82	13.9
04044789	Sucker River	East Bay	Lat 46°39'59", long 85°54'50", in SW1/4 SE1/4 sec.03, T.49 N., R.13 W., Alger County, 900 feet downstream of Grand Marais Creek, 3.4 miles east of Grand Marais, MI.	105	05-02-73	234
					08-23-76	42.8
04044792	Trout Creek	Muskallonge Lake	Lat 46°39'34", long 85°39'25", in SE1/4 NE1/4 sec.10, T.49 N., R.11 W., Luce County, at trail crossing, 2.0 miles southwest of Deer Park, MI.	7.00	11-03-59	6.96
					06-30-71	9.41
					08-04-71	8.80
04044794	Trout Creek Diversion	Muskallonge Lake	Lat 46°40'01", long 85°38'54", in SE1/4 SW1/4 sec.02, T.49 N., R.11 W., Luce County, 30 feet upstream of Muskallonge Lake, 1.7 miles southwest of Deer Park, MI.	---	11-03-59	4.70
					10-25-60	6.97
04044795	Trout Creek	Cranberry Lake Outlet	Lat 46°39'57", long 85°39'07", in SW1/4 SW1/4 sec.02, T.49 N., R.11 W., Luce County, 100 feet downstream of diversion, 2.0 miles west of Deer Park, MI.	---	11-03-59	2.46
04044797	South Branch Two Hearted River	West Branch Two Hearted River	Lat 46°32'27", long 85°41'22", in NE1/4 SW1/4 sec.21, T.48 N., R.11 W., Luce County, at county road below Hemlock Dam, 15.5 miles northwest of Newberry, MI.	---	09-12-71	41.6
04044798	West Branch Two Hearted River	Two Hearted River	Lat 46°35'25", long 85°37'47", in NE1/4 NW1/4 sec.01, T.48 N., R.11 W., Luce County, 200 feet upstream of North Branch Two Hearted River, 6.0 miles south of Deer Park, MI.	---	09-19-72	83.3
04044799	North Branch Two Hearted River	Two Hearted River	Lat 46°35'28", long 85°37'47", in NW1/4 NW1/4 sec.01, T.48 N., R.11 W., Luce County, 100 feet upstream of West Branch Two Hearted River, 6.0 miles south of Deer Park, MI.	---	09-19-72	9.27
04044800	Two Hearted River	Lake Superior	Lat 46°36'23", long 85°36'06", in NW1/4 NE1/4 sec.31, T.49 N., R.10 W., Luce County, at County Road 407, at High Bridge, 5.0 miles south of Deer Park, MI.	---	10-30-67	150
					09-12-71	73.0
					09-13-71	75.4
					02-07-72	82.7
					09-05-72	87.5
					09-19-72	90.8

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04044803	Dawson Creek	Two Hearted River	Lat 46°34'43", long 85°35'02", in SW1/4 SE1/4 sec.05, T.48 N., R.10 W., Luce County, 0.7 mile northeast of Pine Stump Junction, MI.	---	09-12-71	6.13
					09-19-72	11.5
04044804	Two Hearted River	Lake Superior	Lat 46°39'39", long 85°31'23", in NW1/4 sec.11, T.49 N., R.10 W., Luce County, 4.5 miles east of Deer Park, MI.	---	08-07-63	74.7
					09-12-71	95.0
					09-13-71	96.4
04044808	East Branch Two Hearted River	Two Hearted River	Lat 46°35'33", long 85°26'58", in NE1/4 NE1/4 sec.05, T.48 N., R.09 W., Luce County, at abandoned Shamrock Rd. bridge, 7.0 miles northeast of Pine Stump Junction, MI.	---	07-29-71	33.1
04044810	East Branch Two Hearted River	Two Hearted River	Lat 46°38'32", long 85°28'44", in NW1/4 SE1/4 sec.18, T.49 N., R.09 W., Luce County, at County Road 412, 6.5 miles southeast of Deer Park, MI.	---	07-29-71	57.6
					09-12-71	42.2
					09-20-72	44.6
04044811	East Branch Two Hearted River	Two Hearted River	Lat 46°39'57", long 85°29'18", in NW1/4 NW1/4 sec.07, T.49 N., R.09 W., Luce County, 400 feet above mouth, 6.0 miles east of Deer Park, MI.	---	09-13-71	51.9
04044813	Two Hearted River	Lake Superior	Lat 46°41'57", long 85°25'19", in NW1/4 SW1/4 sec.27, T.50 N., R.09 W., Luce County, at footbridge in State Forest Campground, 9.5 miles east of Deer Park, MI.	201	07-05-72	155
					07-25-72	225
					09-06-72	180
					09-20-72	173
					11-27-72	219
					07-31-73	271
					09-13-73	174
					10-25-73	188
					01-15-74	161
					07-25-74	155
					12-02-74	186
					07-08-75	154
					10-28-75	189
					07-28-76	139
					08-24-76	128
04044820	Betsy River	Whitefish Bay	Lat 46°40'22", long 85°14'02", in NE1/4 SW1/4 sec.06, T.49 N., R.07 W., Chippewa County, at Falls Rd., 12.0 miles west of Paradise, MI.	23.0	09-12-49	2.59
					09-14-49	7.39
					11-15-49	49.1
04044823	Betsy River	Whitefish Bay	Lat 46°42'40", long 85°03'55", in SW1/4 SW1/4 sec.21, T.50 N., R.06 W., Chippewa County, at Shelldrake Dam, 2.8 miles northwest of Shelldrake, MI.	68.0	05-02-73	84.0
04044825	Betsy River	Whitefish Bay	Lat 46°40'31", long 85°02'00", in SE1/4 NE1/4 sec.03, T.49 N., R.06 W., Chippewa County, at State Hwy. M-123, at Shelldrake, MI.	89.0	09-14-49	73.9
					11-15-49	124
04044830	Tahquamenon River	Whitefish Bay	Lat 46°28'40", long 85°50'40", in SW1/4 SW1/4 sec.08, T.47 N., R.12 W., Luce County, at trail road, 11.0 miles northwest of McMillan, MI.	---	07-14-71	14.7
04044835	Tahquamenon River	Whitefish Bay	Lat 46°27'00", long 85°48'40", in SW1/4 SE1/4 sec.21, T.47 N., R.12 W., Luce County, at trail road, 10.5 miles northwest of McMillan, MI.	---	07-15-71	51.2
04044838	Tahquamenon River	Whitefish Bay	Lat 46°24'10", long 85°48'10", in NW1/4 NW1/4 sec.10, T.46 N., R.12 W., Luce County, at Skinner's Camp, 7.0 miles northwest of McMillan, MI.	---	07-14-71	80.8
04044840	Tahquamenon River	Whitefish Bay	Lat 46°22'25", long 85°47'00", in NW1/4 NW1/4 sec.23, T.46 N., R.12 W., Luce County, at County Road 442, 2.0 miles south of Donaher, MI.	---	09-14-71	88.8
					09-05-72	80.0

Table 1.--Discharge measurements of Upper Peninsula streams tributary to Lake Superior--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04044990	East Lake Creek	Teaspoon Creek	Lat 46°18'23", long 85°38'38", in SW1/4 sec.11, T.45 N., R.11 W., Luce County, at East Lake outlet, 3.0 miles southeast of McMillan, MI.	3.00	09-17-69	0.05
					08-23-76	0.00
04044991	East Lake Creek	Teaspoon Creek	Lat 46°18'56", long 85°38'13", in NE1/4 sec.11, T.45 N., R.11 W., Luce County, 1.0 mile downstream of East Lake, 3.0 miles southeast of McMillan, MI.	---	09-17-69	0.15
04045000	Tahquamenon River	Whitefish Bay	Lat 46°22'22", long 85°30'33", in NE1/4 NE1/4 sec.23, T.46 N., R.10 W., Luce County, at State Hwy. M-48, at Newberry, MI.	200	09-19-31	339
					06-25-32	105
					10-08-33	154
					06-30-47	148
					09-15-49	216
					11-15-49	380
					07-28-65	100
					08-24-76	121
04045520	Pendills Creek	Whitefish Bay	Lat 46°26'33", long 84°49'13", in NW1/4 sec.28, T.47 N., R.04 W., Chippewa County, 300 feet above mouth, near Raco, MI.	---	09-05-50	20.6
04045528	West Branch Waiska River	Waiska River	Lat 46°19'28", long 84°40'38", in SE1/4 NE1/4 sec.04, T.45 N., R.03 W., Chippewa County, 50 feet upstream of Clear Creek, 4.0 miles southeast of Raco, MI.	---	11-30-67	10.7
04045538	West Branch Waiska River	Waiska River	Lat 46°21'18", long 84°35'35", in SW1/4 NW1/4 sec.29, T.46 N., R.02 W., Chippewa County, at Tillison Rd., 3.5 miles south of Brimley, MI.	40.7	09-07-72	16.4
					10-11-72	21.2
					11-28-72	43.0
					02-13-73	23.8
					08-27-73	22.5
					09-14-73	14.0
					10-24-73	33.2
					01-16-74	21.3
					07-24-74	12.5
					10-23-74	45.5
					01-08-75	23.6
					05-20-75	42.7
					07-09-75	12.3
					09-26-75	23.4
					10-29-75	25.5
					08-25-76	9.25
					06-10-80	35.8
04045559	East Branch Waiska River	Waiska River	Lat 46°25'07", long 84°28'24", in NW1/4 NE1/4 sec.06, T.46 N., R.01 W., Chippewa County, at 6 Mile Rd., 4.0 miles east of Brimley, MI.	30.1	09-07-72	4.19
					11-28-72	14.6
					02-13-73	5.78
					08-01-73	18.3
					09-24-73	3.18
					10-24-73	14.4
					01-16-74	1.54
					10-23-74	25.5
					01-08-75	5.95
					05-20-75	9.10
					09-25-75	3.08
					10-29-75	3.07
04045570	Waiska River	Waiska Bay	Lat 46°24'40", long 84°34'18", in NW1/4 SW1/4 sec.04, T.46 N., R.02 W., Chippewa County, at 6 Mile Rd., 0.3 mile north of Brimley, MI.	142	06-14-72	666

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04046300	Rock River	Lake Michigan	Lat 46°05'37", long 85°35'30", in NW1/4 SW1/4 sec.29, T.43 N., R.10 W., Mackinac County, at Price Rd., 1.8 miles southwest of Engadine, MI.	---	07-27-71	1.65
					02-08-72	4.23
04046385	McDonald Lake Outlet	Lake Michigan	Lat 45°58'08", long 85°56'38", in SW1/4 sec.04, T.41 N., R.13 W., Schoolcraft County, at State Hwy. M-99, near Gulliver, MI.	---	03-12-45	6.92
					04-17-47	127
					08-14-47	0.26
					10-20-49	1.31
					02-10-50	11.3
					05-04-50	143
					07-26-50	2.46

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04046390	McDonald Lake Outlet	Lake Michigan	Lat 45°58'03", long 85°56'21", in NE1/4 sec.09, T.41 N., R.13 W., Schoolcraft County, at County Road 431, 4.5 miles southeast of Gulliver, MI.	---	05-05-45	45.4
					11-15-45	60.1
					01-23-46	20.1
					04-24-46	15.7
					08-20-46	4.25
					11-15-46	26.8
					03-05-47	5.42
					01-23-48	3.60
					06-03-48	3.14
					10-02-48	0.27
					02-03-49	9.17
					04-26-49	39.2
04046400	Gulliver Lake Outlet	Lake Michigan	Lat 45°58'23", long 86°01'46", in SW1/4 sec.02, T.41 N., R.14 W., Schoolcraft County, at County Road 434, 1.5 miles southwest of Gulliver, MI.	7.00	03-16-45	4.20
					05-05-45	9.91
					11-15-45	8.52
					01-23-46	8.79
					04-24-46	12.4
					08-20-46	1.48
					11-15-46	10.8
					03-05-47	3.53
					04-17-47	29.2
					08-14-47	0.79
					10-29-47	0.00
					01-23-48	0.00
					04-22-48	3.68
					10-06-48	0.00
					02-03-49	5.41
					04-26-49	0.00
					02-10-50	6.40
					05-04-50	30.8
					07-26-50	0.05
					10-12-50	1.88
					01-15-51	2.00
					05-15-51	3.10
					08-23-51	0.00
					10-16-51	7.53
					01-17-52	5.33
					04-24-52	18.8
					06-17-52	6.07
					10-16-52	0.00
					02-19-53	5.34
					05-12-53	18.8
					07-22-53	0.39
					10-15-53	0.36
					02-15-54	6.00
					05-12-54	24.5
					08-20-54	0.92
					11-09-54	10.4
					02-16-55	2.55
					04-27-55	17.5
					07-28-55	0.00
					10-19-55	0.00
					01-17-56	0.00
					04-12-56	19.2
					07-19-56	8.51
					10-17-56	3.21
					01-15-57	4.36
					05-01-57	30.9
					07-15-57	0.17
					10-16-57	0.00
					01-20-58	3.97
					05-01-58	13.9
					07-17-58	2.41
					10-14-58	4.31
					01-19-59	3.20
					05-20-59	0.50
					09-15-59	0.64
04047000	North Manistique Lake Outlet	Manistique Lake	Lat 46°16'27", long 85°42'50", in SW1/4 sec.20, T.45 N., R.11 W., Luce County, at State Hwy. M-98, 0.2 mile northeast of Helmer, MI.	15.0	10-26-44	3.82
					03-12-45	18.6
					05-02-45	18.3
					02-26-46	16.3
					04-25-46	15.6
					11-15-46	6.30
					03-05-47	13.3
					10-29-47	1.44
					03-02-48	12.1
					04-23-48	26.0
					06-03-48	1.00
					10-07-48	0.79
					02-02-49	15.5
					04-25-49	23.8
					10-19-49	11.1
					02-06-50	16.0
					05-02-50	47.0
					07-25-50	9.41
					10-12-50	11.7

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04047000	North Manistique Lake Outlet	Manistique Lake	Continued		01-15-51	14.7
					05-14-51	15.4
					08-22-51	7.64
					10-17-51	14.7
					01-16-52	18.3
					04-21-52	43.7
					06-18-52	14.8
					10-16-52	3.78
					02-19-53	18.7
					05-13-53	26.2
					07-21-53	22.9
					10-15-53	1.88
					02-16-54	17.0
					05-13-54	33.3
					08-12-54	3.65
					11-10-54	17.6
					02-16-55	12.5
					04-28-55	24.2
					07-27-55	1.98
					10-18-55	1.75
					01-18-56	15.4
					04-16-56	34.0
					07-17-56	18.1
					10-16-56	3.74
					01-15-57	10.4
					05-03-57	23.9
					07-16-57	5.68
					10-15-57	0.94
					01-21-58	14.7
					04-23-58	31.3
					07-16-58	10.4
					10-17-58	7.38
					01-20-59	11.4
					05-19-59	19.4
04048000	Fox River	Manistique River	Lat 46°20'35", long 85°57'05", in NE1/4 sec.32, T.46 N., R.13 W., Schoolcraft County, at Soo Line Railroad bridge, at Seney, MI.	107	03-04-68	140
					03-18-68	151
					03-29-68	329
					04-01-68	365
					04-16-68	558
					05-14-68	196
					06-19-68	188
					07-25-68	159
					09-17-68	156
					10-23-68	202
					11-25-68	175
					01-17-69	152
04048200	East Branch Fox River	Fox River	Lat 46°27'55", long 85°56'40", in NW1/4 SW1/4 sec.16, T.47 N., R.13 W., Schoolcraft County, at old trout rearing ponds, 8.5 miles north of Seney, MI.	---	07-28-71	38.1
					02-07-72	24.6
04049000	Holland Creek	Manistique River	Lat 46°20'43", long 86°03'08", in NW1/4 sec.34, T.46 N., R.14 W., Schoolcraft County, at State Hwy. M-28, 4.8 miles west of Seney, MI.	---	05-21-42	15.9
					06-26-42	5.61
					11-21-42	33.9
					04-22-43	204
					10-15-43	3.92
					04-17-44	142
					10-27-44	6.11
					05-05-45	23.2
					04-18-47	112
					10-30-47	2.51
					04-23-48	26.4
					04-24-50	419
04049100	Clark Ditch	Holland Creek	Lat 46°20'42", long 85°59'24", in NE1/4 NE1/4 sec.36, T.46 N., R.14 W., Schoolcraft County, at State Hwy. M-28, 2.0 miles west of Seney, MI.	---	03-31-38	205
					04-13-39	6.92
					04-18-39	31.0
					04-22-39	107
					05-31-39	3.80
					06-28-39	1.86
					07-31-39	0.13
04049200	Holland Creek	Manistique River	Lat 46°17'07", long 85°55'45", in NE1/4 sec.21, T.45 N., R.13 W., Schoolcraft County, at State Hwy. M-77, 2.2 miles north of Germfask, MI.	2.00	08-15-67	1.71
					11-02-67	7.18
					11-29-67	3.05
					01-17-68	4.76
					05-14-68	3.33
					07-25-68	2.31

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04050400	Grays Creek Spillway	Manistique River	Lat 46°14'25", long 85°57'19", in NE1/4 sec.05, T.44 N., R.13 W., Schoolcraft County, 1.0 mile upstream of mouth of Grays Creek, near Germfask, MI.	---	08-26-40	2.20
					09-18-40	19.6
					09-18-40	41.6
					09-18-40	79.4
					10-25-40	4.61
04050500	Grays Creek	Manistique River	Lat 46°13'45", long 85°57'20", in NE1/4 sec.08, T.44 N., R.13 W., Schoolcraft County, 0.3 mile upstream of mouth, near Germfask, MI.	---	10-23-40	10.2
					11-20-40	20.4
					12-18-40	5.31
					01-09-41	18.3
					02-14-41	21.9
					03-10-41	13.0
					04-12-41	151
					04-15-41	23.5
					05-05-41	24.0
					06-19-41	2.76
					08-11-41	3.28
					08-25-41	2.74
					10-23-41	100
04051000	Pine Creek	Manistique River	Lat 46°13'44", long 85°58'23", in NE1/4 sec.07, T.44 N., R.13 W., Schoolcraft County, 2.5 miles southwest of Germfask, MI.	---	10-23-40	30.9
					11-29-40	31.8
					12-18-40	12.0
					01-16-41	23.9
					02-18-41	16.3
					03-06-41	12.7
					04-12-41	80.9
					04-15-41	69.7
					05-05-41	19.7
					06-20-41	9.23
					08-09-41	5.13
					08-25-41	5.98
					10-25-41	34.2
04051500	Sand Creek	Pine Creek	Lat 46°13'54", long 85°58'36", in NE1/4 sec.07, T.44 N., R.13 W., Schoolcraft County, 2.5 miles southwest of Germfask, MI.	---	10-23-40	10.2
					11-26-40	13.1
					12-18-40	5.53
					01-16-41	23.4
					02-18-41	6.15
					03-10-41	5.11
					04-12-41	3.39
					05-05-41	24.0
					06-20-41	1.78
					08-09-41	1.21
					08-25-41	5.13
					10-25-41	45.0
04052000	Driggs River	Manistique River	Lat 46°20'44", long 86°07'36", in NW1/4 sec.36, T.46 N., R.15 W., Schoolcraft County, at State Hwy. M-28, 8.5 miles west of Seney, MI.	---	05-21-42	81.1
					06-26-42	58.2
					11-19-42	87.0
					04-22-43	174
					10-15-43	64.9
					04-17-44	81.7
					10-27-44	44.0
					05-04-45	92.2
					04-18-47	167
					10-30-47	47.8
					04-23-48	122
					04-24-50	146
04052500	Walsh Creek	Driggs River	Lat 46°20'44", long 86°10'37", in NW1/4 sec.34, T.46 N., R.15 W., Schoolcraft County, 10.0 miles west of Seney, MI.	---	05-21-42	15.4
					06-25-42	5.08
					11-19-42	37.9
					04-22-43	200
					10-15-43	5.38
					04-17-44	106
					10-27-44	4.73
					05-04-45	16.3
					04-18-47	132
					10-30-47	3.49
					04-23-48	30.6
					04-24-50	209
04053300	Mead Creek	Manistique River	Lat 46°11'01", long 85°58'54", in NE1/4 NW1/4 sec.30, T.44 N., R.13 W., Schoolcraft County, at County Road 436, 5.5 miles southwest of Germfask, MI.	31.0	08-15-67	1.18
					11-02-67	38.2
					11-29-67	18.8
					01-17-68	8.91
					05-13-68	20.2
					07-25-68	9.06
					11-07-68	20.4
					02-19-69	19.4
					07-15-69	13.8
					08-18-69	5.22

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04053500	Marsh Creek	Manistique River	Lat 46°20'44", long 86°14'09", in NW1/4 sec.31, T.46 N., R.15 W., Schoolcraft County, at State Hwy. M-28, 1.8 miles west of Creighton, MI.	---	05-21-42	6.37
					06-26-42	0.46
					11-19-42	26.4
					04-22-43	95.4
					11-08-43	17.5
					04-17-44	99.3
					05-04-45	11.2
					04-18-47	81.9
					04-24-48	17.2
					04-24-50	170
04054200	Mezik Creek	Manistique River	Lat 46°09'11", long 85°59'56", in NE1/4 sec.01, T.43 N., R.14 W., Schoolcraft County, at County Road 436, 4.3 miles northwest of Blaney, MI.	12.0	08-15-67	3.35
					11-02-67	15.5
					11-29-67	4.76
					01-17-68	3.29
					05-13-68	6.00
					07-25-68	3.65
					11-07-68	6.52
					02-19-69	5.96
					07-15-69	5.25
					08-18-69	3.64
04054400	Duck Creek	Manistique River	Lat 46°10'30", long 86°07'59", in SW1/4 sec.25, T.44 N., R.15 W., Schoolcraft County, immediately below tributaries, 7.8 miles northeast of Hiawatha, MI.	20.0	09-08-67	1.13
					11-02-67	30.0
					11-28-67	24.0
					01-17-68	4.92
					05-14-68	16.0
					07-25-68	6.56
					11-07-68	25.9
					02-19-69	35.1
					07-15-69	21.2
					08-18-69	2.04
04055500	Creighton River	West Branch Manistique R.	Lat 46°20'46", long 86°16'33", in NW1/4 sec.35, T.46 N., R.16 W., Schoolcraft County, at State Hwy. M-28, at Creighton, MI.	---	05-21-42	48.5
					06-22-42	26.3
					11-19-42	94.6
					04-22-43	233
					10-15-43	32.1
					04-17-44	128
					10-27-44	23.5
					05-04-45	65.1
					04-18-47	237
					10-30-47	16.0
					04-24-48	199
					04-24-50	240
04055930	Stutts Creek	West Branch Manistique R.	Lat 46°07'36", long 86°11'56", in NE1/4 sec.17, T.43 N., R.15 W., Schoolcraft County, at County Road 448, 12.0 miles north of Manistique, MI.	---	04-13-56	871
					04-17-56	686
					05-22-56	235
					06-14-56	98.9
					07-20-56	151
					08-17-56	85.6
					09-17-56	131
04056650	Indian River	Manistique River	Lat 46°16'16", long 86°41'42", in NWi/4 sec.28, T.45 N., R.19 W., Alger County, 1.5 miles below unnamed tributary, 13.0 miles northwest of Steuben, MI.	10.5	08-20-57	13.0
04056670	Indian River	Manistique River	Lat 46°15'33", long 86°40'37", in NW1/4 sec.34, T.45 N., R.19 W., Alger County, at Doe Lake Outlet, 11.5 miles northwest of Steuben, MI.	17.5	08-20-57	26.0
04056690	Indian River	Manistique River	Lat 46°12'32", long 86°37'07", in SE1/4 sec.13, T.44 N., R.19 W., Alger County, at Federal Forest Hwy. 13, 7.5 miles west of Steuben, MI.	26.8	08-20-57	42.2
04056700	Blue Lake Outlet	Skeels Lake	Lat 46°09'58", long 86°37'34", in SE1/4 NW1/4 sec.36, T.44 N., R.19 W., Alger County, at Federal Forest Hwy. 13, 8.5 miles west of Steuben, MI.	5.11	04-08-69	9.20
					07-10-69	7.80
					10-30-69	7.72
					01-15-70	6.68
					05-21-70	6.53
					08-27-70	7.55
					05-06-71	7.76
04056705	Corner Lake Outlet	Deep Lake	Lat 46°09'38", long 86°36'20", in SE1/4 SW1/4 sec.31, T.44 N., R.18 W., Schoolcraft County, between Corner and Deep Lakes, 7.3 miles southwest of Steuben, MI.	---	10-08-59	15.1

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04056710	Indian River	Manistique River	Lat 46°10'58", long 86°35'24", in NW1/4 sec.29, T.44 N., R.18 W., Schoolcraft County, 0.8 mile below Straits Lake, 6.0 miles west of Steuben, MI.	46.0	08-20-57	62.4
04056713	Deer Creek	Indian River	Lat 46°11'39", long 86°32'57", in SW1/4 sec.22, T.44 N., R.18 W., Schoolcraft County, at U.S.F.S. Road 2257, 4.5 miles west of Steuben, MI.	8.50	08-20-57	2.80
04056715	Indian River	Manistique River	Lat 46°11'26", long 86°32'32", in SW1/4 sec.22, T.44 N., R.18 W., Schoolcraft County, 0.5 mile below Deer Creek, 4.0 miles west of Steuben, MI.	60.4	08-20-57	69.8
04056716	Little Indian River	Indian River	Lat 46°17'48", long 86°38'16", in NE1/4 SE1/4 sec.14, T.45 N., R.19 W., Alger County, at Lost Lake Rd., 7.5 miles south of Munising, MI.	8.00	07-29-71	3.88
04056717	Little Indian River	Indian River	Lat 46°16'17", long 86°37'13", in NW1/4 sec.25, T.45 N., R.19 W., Alger County, 1.5 miles below McNeil Lake Outlet, 9.5 miles northwest of Steuben, MI.	11.7	08-20-57 07-29-71	3.79 9.63
04056719	Little Indian River	Indian River	Lat 46°14'29", long 86°33'53", in NW1/4 sec.04, T.44 N., R.18 W., Schoolcraft County, 2.5 miles above Grassy Creek, 6.0 miles northwest of Steuben, MI.	15.8	08-20-57	5.95
04056721	Little Indian River	Indian River	Lat 46°13'02", long 86°32'22", in SE1/4 sec.10, T.44 N., R.18 W., Schoolcraft County, 0.5 mile above Grassy Creek, 4.5 miles northwest of Steuben, MI.	16.8	08-20-57	8.59
04056723	Little Indian River	Indian River	Lat 46°11'48", long 86°31'41", in NW1/4 sec.23, T.44 N., R.18 W., Schoolcraft County, at U.S.F.S. Road 2257, 3.5 miles west of Steuben, MI.	22.8	08-20-57	9.36
04056725	Indian River	Manistique River	Lat 46°11'04", long 86°29'23", in NW1/4 sec.30, T.44 N., R.17 W., Schoolcraft County, 1.0 mile below Triangle Lake Outlet, 1.5 miles west of Steuben, MI.	90.8	08-20-57	80.4
04056727	Camp 83 Creek	Indian River	Lat 46°11'12", long 86°28'59", in NW1/4 sec.30, T.44 N., R.17 W., Schoolcraft County, 0.2 mile above Indian River, 1.5 miles west of Steuben, MI.	1.30	08-20-57	0.39
04056730	Indian River	Manistique River	Lat 46°11'13", long 86°27'26", in NE1/4 sec.29, T.44 N., R.17 W., Schoolcraft County, at county road, 1.5 miles below Camp 83 Creek, at Steuben, MI.	93.5	08-20-57 08-21-57 08-08-63	84.3 81.7 66.7
04056733	Delias Run	Indian River	Lat 46°11'28", long 86°27'02", in SE1/4 sec.20, T.44 N., R.17 W., Schoolcraft County, at county road 1.0 mile above Indian River, 0.3 mile east of Steuben, MI.	11.6	08-20-57	2.70
04056738	Indian River	Manistique River	Lat 46°09'15", long 86°24'17", in NW1/4 sec.02, T.43 N., R.17 W., Schoolcraft County, at U.S. Forest Service Campgrounds, 3.5 miles southeast of Steuben, MI.	111	08-20-57	104
04056740	Indian River	Manistique River	Lat 46°07'40", long 86°24'07", in NW1/4 sec.14, T.43 N., R.17 W., Schoolcraft County, 2.5 miles above Little Murphy Creek, 5.0 miles southeast of Steuben, MI.	115	08-20-57	110
04056745	Little Murphy Creek	Indian River	Lat 46°07'28", long 86°27'02", in NE1/4 sec.17, T.43 N., R.17 W., Schoolcraft County, 0.2 mile below Big Murphy Lake, 4.5 miles south of Steuben, MI.	6.50	08-20-57	5.31

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	 Discharge (ft^3/s)
04056747	Little Murphy Creek	Indian River	Lat 46°06'19", long 86°25'32", in SW1/4 sec.22, T.43 N., R.17 W., Schoolcraft County, 1.0 mile above Indian River, 6.0 miles southeast of Steuben, MI.	10.3	08-20-57	9.52
04056750	Indian River	Manistique River	Lat 46°05'25", long 86°24'18", in SE1/4 sec.27, T.43 N., R.17 W., Schoolcraft County, 0.5 mile below Little Murphy Creek, 7.5 miles southeast of Steuben, MI.	129	08-20-57	121
04056780	Big Murphy Creek	Indian River	Lat 46°05'18", long 86°28'32", in SE1/4 sec.30, T.43 N., R.17 W., Schoolcraft County, at Thunder Lake Outlet, 7.0 miles south of Steuben, MI.	23.8	08-20-57	27.0
04056795	Bear Creek	Big Murphy Creek	Lat 46°04'43", long 86°28'41", in NE1/4 sec.31, T.43 N., R.17 W., Schoolcraft County, 0.2 mile above Big Murphy Creek, 7.5 miles south of Steuben, MI.	7.70	08-20-57	6.64
04056800	Big Murphy Creek	Indian River	Lat 46°04'23", long 86°27'58", in SW1/4 sec.32, T.43 N., R.17 W., Schoolcraft County, at County Road 437, 8.0 miles south of Steuben, MI.	32.6	08-20-57	35.2
04056890	Big Murphy Creek	Indian River	Lat 46°04'05", long 86°25'50", in NE1/4 sec.04, T.42 N., R.17 W., Schoolcraft County, 0.5 mile below unnamed tributary, 8.5 miles south of Steuben, MI.	35.6	08-20-57	38.8
04056900	Big Spring	Indian Lake	Lat 46°00'17", long 86°22'56", in SE1/4 sec.25, T.42 N., R.17 W., Schoolcraft County, at Palms Book State Park, 7.0 miles northwest of Manistique, MI.	---	05-24-50	37.1
					08-08-50	31.2
					11-09-50	32.2
					05-15-51	35.5
					08-21-51	32.6
					10-18-51	29.1
					04-24-52	39.4
					07-22-52	32.5
					11-13-52	27.2
					05-11-53	35.5
					07-21-53	35.0
					10-16-53	31.9
					05-11-54	33.7
					08-20-54	28.5
					11-11-54	31.0
					04-29-55	36.0
					07-28-55	27.1
					10-20-55	21.3
					05-08-56	25.6
					07-18-56	22.8
					10-15-56	19.8
					05-01-57	31.9
					07-17-57	30.0
					10-17-57	21.2
					05-01-58	30.9
					07-15-58	29.4
					10-16-58	24.6
					05-18-59	30.8
					07-10-59	25.6
					10-15-59	21.7
					05-23-60	48.1
					06-24-60	31.8
					10-14-60	26.8
					05-12-61	29.6
					09-15-61	24.8
					10-27-61	22.5
					05-16-62	33.6
					07-17-62	25.4
					10-12-62	22.8
					04-25-63	24.8
					08-27-63	23.4
					10-16-63	20.2
					05-12-64	26.1
					08-27-64	28.9
					11-04-64	25.8
					07-08-65	27.6
					11-24-65	30.2
					02-24-66	30.6
					07-07-66	34.8
					09-07-66	28.4
					02-17-67	24.0
					07-25-67	26.6

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04056900	Big Spring	Indian Lake	Continued		11-03-67	27.8
					03-08-68	22.3
					05-01-68	34.7
					07-30-68	28.9
					10-24-68	25.5
					07-02-69	47.9
					09-04-69	34.0
					12-16-69	26.0
					06-24-70	28.9
					08-26-70	28.6
					11-18-70	30.4
					10-27-71	29.6
04056950	Dufour Creek	Indian Lake	Lat 45°56'24", long 86°20'28", in NW1/4 NW1/4 sec.20, T.41 N., R.16 W., Schoolcraft County, at County Road 442, 2.5 miles northwest of Thompson, MI.	8.50	05-16-72	6.18
04057040	Thompson Creek	Lake Michigan	Lat 45°55'36", long 86°20'39", in SW1/4 SW1/4 sec.20, T.41 N., R.16 W., Schoolcraft County, at State Hwy. M-149, 1.6 miles northwest of Thompson, MI.	3.00	05-16-72	1.21
R 04057050	Thompson Spring	Thompson Creek	Lat 45°55'10", long 86°20'22", in SW1/4 NW1/4 sec.29, T.41 N., R.16 W., Schoolcraft County, at Thompson Fish Hatchery, 1.2 miles northwest of Thompson, MI.	---	02-24-66	3.36
					03-31-66	3.61
					07-07-66	3.50
					07-09-69	3.67
					10-27-71	3.19
					05-16-72	3.39
					07-07-76	4.02
					07-07-76	3.54
					09-08-76	3.88
R 04057052	Thompson Creek	Lake Michigan	Lat 45°54'59", long 86°20'20", in NE1/4 SW1/4 sec.29, T.41 N., R.16 W., Schoolcraft County, at Thompson Fish Hatchery, 0.3 mile downstream of Thompson Creek, 0.9 mile NW of Thompson, MI.	4.36	02-24-66	7.05
					03-31-66	8.89
					07-07-66	6.16
					07-09-69	8.73
					08-28-70	7.97
					05-16-72	8.05
					09-08-76	5.64
R 04057055	Williams Creek	Thompson Creek	Lat 45°54'29", long 86°20'08", in NE1/4 NW1/4 sec.32, T.41 N., R.16 W., Schoolcraft County, 1,000 feet above Thompson Creek, 0.2 mile northwest of Thompson, MI.	4.26	07-09-69	2.44
					09-08-76	0.74
04057058	Thompson Creek	Lake Michigan	Lat 45°54'30", long 86°19'55", in NW1/4 NE1/4 sec.32, T.41 N., R.16 W., Schoolcraft County, 400 feet downstream of Thompson Fish Hatchery, 0.2 mile north of Thompson, MI.	9.00	09-08-76	6.54
04057180	Fishdam River	Big Bay de Noc	Lat 46°02'29", long 86°34'46", in NW1/4 NE1/4 sec.17, T.42 N., R.18 W., Delta County, at County Road 442, 10.0 miles north of Isabella, MI.	7.00	10-19-72	5.96
04057190	Fishdam River	Big Bay de Noc	Lat 46°01'00", long 86°33'38", in SW1/4 SE1/4 sec.21, T.42 N., R.18 W., Delta County, at U.S.F.S. Road 2410, 8.5 miles northeast of Isabella, MI.	13.0	10-19-72	9.39
04057300	Sturgeon River	Big Bay de Noc	Lat 46°17'24", long 86°45'54", in SE1/4 sec.14, T.45 N., R.20 W., Alger County, at Sixteenmile Lake outlet, about 11.0 miles southwest of Munising, MI.	7.34	10-08-59	2.16
					06-03-60	8.69
					08-19-60	4.51
					10-14-60	3.51
					05-12-61	4.16
					07-13-61	0.03
					10-27-61	9.30
					05-16-62	5.93
					07-13-62	2.61
					10-12-62	0.31
					04-24-63	2.98
					07-03-63	0.91
					10-16-63	0.25

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04057400	Round Lake Outlet	West Branch Lake	Lat 46°09'42", long 86°44'51", in SW1/4 sec.36, T.44 N., R.20 W., Alger County, at county road at Round Lake outlet, 11.0 miles southeast of Trenary, MI.	5.50	06-13-78 08-22-78 09-28-78 11-21-78 07-02-79 08-22-79 10-10-79 01-15-80 05-22-80 05-22-80 09-04-80 10-22-80	7.18 7.94 8.19 5.17 7.24 3.98 2.92 4.41 0.07 3.23 2.67 2.54
04057490	Sturgeon River	Big Bay de Noc	Lat 46°02'21", long 86°45'07", in NW1/4 sec.13, T.42 N., R.20 W., Delta County, at Federal Forest Rd. 2223, 10.0 miles north of St. Jacques, MI.	---	09-14-49 11-14-49	102 182
04057500	Sturgeon River	Big Bay de Noc	Lat 45°59'22", long 86°40'45", in SW1/4 SW1/4 sec.34, T.42 N., R.19 W., Delta County, 3.0 miles downstream of Eighteen Mile Creek, 7.0 miles northeast of St. Jacques, MI.	167	11-05-51 08-26-63	200 33.6
04057510	Sturgeon River	Big Bay de Noc	Lat 45°56'35", long 86°42'20", in SW1/4 SE1/4 sec.17, T.41 N., R.19 W., Delta County, at U.S.F.S. Road 2231, 3.2 miles north of Nahma Junction, MI.	183	05-04-50 09-07-66 09-12-66	1260 58.5 48.4
04057520	Sturgeon River	Big Bay de Noc	Lat 45°53'45", long 86°42'12", in NW1/4 sec.06, T.40 N., R.19 W., Delta County, at U.S. Hwy. 2, near St. Jacques, MI.	---	09-09-49 11-14-49 04-25-50 05-04-50	94.2 286 1120 1210
04057522	East Branch Whitefish River	Whitefish River	Lat 46°14'16", long 86°51'26", in NE1/4 SW1/4 sec.06, T.44 N., R.20 W., Alger County, at county road, 6.2 miles northeast of Trenary, MI.	2.00	10-19-72	12.8
04057524	Dexter Creek	East Branch Whitefish River	Lat 46°12'49", long 86°53'10", in NE1/4 NE1/4 sec.14, T.44 N., R.21 W., Alger County, at county road, 4.2 miles northeast of Trenary, MI.	20.0	08-04-76	1.89
04057525	East Branch Whitefish River	Whitefish River	Lat 46°10'51", long 86°52'24", in SW1/4 NW1/4 sec.25, T.44 N., R.21 W., Alger County, at bridge 0.6 mile downstream from Dexter Creek, 4.4 miles southeast of Trenary, MI.	30.0	10-19-72	39.2
04057527	East Branch Whitefish River	Whitefish River	Lat 46°05'31", long 86°50'53", in NE1/4 SE1/4 sec.30, T.43 N., R.20 W., Delta County, at U.S.F.S. Road 2236, 6.5 miles east of Osier, MI.	70.0	08-04-76	35.7
04057530	West Branch Whitefish River	Whitefish River	Lat 46°08'24", long 86°55'43", in NE1/4 sec.09, T.43 N., R.21 W., Delta County, at county road, 4.0 miles southeast of Trenary, MI.	16.0	08-26-63	16.0
04057540	West Branch Whitefish River	Whitefish River	Lat 46°05'42", long 86°53'47", in SW1/4 NE1/4 sec.26, T.43 N., R.21 W., Delta County, at county road, 12.0 miles north of Rapid River, MI.	120	08-04-76	14.3
04057570	Haymeadow Creek	Whitefish River	Lat 46°00'02", long 86°53'09", in SW1/4 SW1/4 sec.35, T.42 N., R.21 W., Delta County, at trail road, 6.4 miles northeast of Rapid River, MI.	30.0	08-04-76	5.02
04057577	Chippewy Creek	Whitefish River	Lat 45°58'42", long 86°55'46", in SW1/4 NW1/4 sec.03, T.42 N., R.21 W., Delta County, at county road, 3.5 miles northeast of Rapid River, MI.	15.0	08-04-76	0.00

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Discharge (ft^3/s)
04057580	Whitefish River	Little Bay de Noc	Lat 45°57'56", long 86°55'15", in SE1/4 NW1/4 sec.10, T.41 N., R.21 W., Delta County, 800 feet downstream of Chippeny Creek, 3.5 miles northeast of Rapid River, MI.	284	08-29-73	100
					09-12-73	159
					10-02-73	165
					02-19-74	81.6
					05-30-74	259
					08-09-74	276
					11-18-74	391
					02-05-75	130
					06-27-75	310
					07-16-75	187
					10-07-75	114
					02-13-76	134
					07-21-76	90.8
					12-27-76	60.0
					05-13-77	282
					07-20-77	127
					08-18-77	99.3
					02-13-78	181
					07-28-78	352
					08-22-78	271
					10-10-78	617
					07-02-79	267
					08-22-79	115
					01-15-80	186
					05-22-80	188
					09-04-80	127
					10-22-80	145
					01-13-81	97.8
					05-12-81	450
					09-03-81	96.6
					11-12-81	268
					02-04-82	108
					05-25-82	280
					08-17-82	107
					12-16-82	264
					03-30-83	351
					06-23-83	201
					08-09-83	77.4
					10-27-83	293
					02-02-84	129
					06-07-84	177
					09-21-84	145
04057600	Bills Creek	Whitefish River	Lat 45°57'09", long 86°55'28", in SE1/4 NW1/4 sec.15, T.41 N., R.21 W., Delta County, at Grand Island Bay de Noc Trail, 2.7 miles northeast of Rapid River, MI.	23.0	09-12-73	6.14
					10-02-73	7.41
					02-19-74	5.36
					05-30-74	14.0
					08-09-74	3.12
					07-21-76	3.51
					05-13-77	14.3
					07-20-77	4.31
04057605	Whitefish River	Little Bay de Noc	Lat 45°56'59", long 86°56'23", in NE1/4 sec.16, T.41 N., R.21 W., Delta County, 1.5 miles northeast of Rapid River, MI.	307	09-21-49	168
					11-16-49	492
					04-29-50	1830
					08-26-63	54.1
					08-17-70	71.3
					04-14-76	1730
					04-18-78	1390
					05-15-78	3290
04057625	Rapid River	Little Bay de Noc	Lat 46°06'05", long 87°02'05", in SE1/4 SE1/4 sec.22, T.43 N., R.22 W., Delta County, at County Road 432, 6.0 miles northeast of Rock, MI.	55.0	08-06-75	0.24
					07-23-76	0.10
04057638	Rapid River	Little Bay de Noc	Lat 46°01'21", long 86°58'44", in SW1/4 NE1/4 sec.19, T.42 N., R.21 W., Delta County, at county road 0.2 mile west of U.S. Hwy. 41, 5.0 miles northeast of Perkins, MI.	100	08-06-75	1.10
					07-23-76	1.36
04057647	Inman Creek	Rapid River	Lat 45°57'04", long 86°58'18", in SW1/4 NW1/4 sec.17, T.41 N., R.21 W., Delta County, at U.S. Hwy. 41, 1.7 miles north of Rapid River, MI.	20.0	08-04-76	0.15
04057648	Rapid River	Little Bay de Noc	Lat 45°56'16", long 86°57'54", in NE1/4 NW1/4 sec.20, T.41 N., R.21 W., Delta County, at county road, 0.8 mile north of Rapid River, MI.	140	09-14-49	94.2
					08-26-63	2.89
					09-12-67	2.16
					08-25-69	3.14
					08-17-70	3.03
					08-06-75	2.98
					04-05-76	1220
					04-14-76	899
					07-23-76	3.18

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	 Discharge (ft³/s)
04057650	Rapid River	Little Bay de Noc	Lat 45°55'37", long 86°57'48", in NW1/4 sec.29, T.41 N., R.21 W., Delta County, at U.S. Hwy. 2, at Rapid River, MI.	144	09-14-49	72.3
					11-17-49	189
04057652	Tacoosh River	Little Bay de Noc	Lat 45°58'41", long 87°04'08", in SE1/4 NW1/4 sec.04, T.41 N., R.22 W., Delta County, 0.2 mile east of State Hwy. M-35 and county road intersection, at Perkins, MI.	20.0	08-06-75	0.00
					07-23-76	0.00
04057655	Tacoosh River	Little Bay de Noc	Lat 45°56'17", long 86°58'56", in NW1/4 sec.19, T.41 N., R.21 W., Delta County, at county road, 1.0 mile northwest of Rapid River, MI.	60.0	09-12-67	0.44
					08-25-69	0.52
					08-17-70	0.26
					08-07-75	0.31
					07-23-76	0.58
04057657	Days River	Little Bay de Noc	Lat 46°04'07", long 87°11'19", in NW1/4 NE1/4 sec.04, T.42 N., R.23 W., Delta County, at concrete dam in county park, 1.0 mile west of Rock, MI.	9.00	08-06-75	0.01
					07-23-76	0.00
04057659	Days River	Little Bay de Noc	Lat 45°55'49", long 87°04'11", in SW1/4 sec.21, T.41 N., R.22 W., Delta County, at State Hwy. M-35, at Brampton, MI.	45.0	08-06-75	1.10
					07-23-76	0.69
04057660	Days River	Little Bay de Noc	Lat 45°53'50", long 87°02'13", in NW1/4 NW1/4 sec.04, T.40 N., R.22 W., Delta County, near end of county road, 3.0 miles north of Gladstone, MI.	65.0	08-25-69	4.18
					08-28-70	3.43
04057662	Unnamed tributary	Days River	Lat 45°53'41", long 87°01'20", in SW1/4 NW1/4 sec.04, T.40 N., R.22 W., Delta County, at county road, 3.0 miles north of Gladstone, MI.	2.00	08-24-65	1.10
					09-14-67	1.58
					08-26-69	1.81
					08-28-70	1.55
04057663	Days River	Little Bay de Noc	Lat 45°53'43", long 86°59'33", in NW1/4 NW1/4 sec.02, T.40 N., R.22 W., Delta County, at county road, 2.2 miles southwest of Rapid River, MI.	70.0	09-14-67	4.57
					08-27-69	5.79
					08-28-70	4.98
					08-07-75	6.30
					07-23-76	5.50
04057690	Middle Branch Escanaba River	Escanaba River	Lat 46°31'57", long 87°56'12", in NW1/4 NW1/4 sec.28, T.48 N., R.29 W., Marquette County, at abandoned Chicago & North Western RR grade, 1.7 miles northeast of Champion, MI.	16.7	09-22-61	0.68
					02-13-62	1.99
					08-22-62	0.15
					07-16-63	2.20
					08-19-70	1.17
					11-03-70	22.7
					12-16-70	15.6
					04-28-71	86.4
					06-17-71	7.11
					09-22-71	0.67
					01-27-72	2.29
					05-23-72	25.6
					07-06-72	4.39
04057700	Middle Branch Escanaba River	Escanaba River	Lat 46°31'43", long 87°55'07", in SE1/4 NW1/4 sec.27, T.48 N., R.29 W., Marquette County, at Chicago and Northwestern Railway, 2.2 miles northeast of Champion, MI.	23.7	08-23-61	1.19
					09-22-61	1.21
					02-13-62	3.33
					06-28-62	6.18
					08-22-62	0.57
					10-15-62	4.80
					10-17-62	3.69
					02-13-63	4.07
					04-25-63	34.5
					07-01-63	8.63
					07-16-63	3.79
					10-01-63	1.25
					02-19-64	3.90
					05-21-64	25.8
					06-01-64	25.0
					01-07-65	11.3
					07-21-65	2.00
					08-19-70	2.03
04057701	Middle Branch Escanaba River	Escanaba River	Lat 46°31'37", long 87°54'43", in SE1/4 sec.27, T.48 N., R.29 W., Marquette County, at Chicago and Northwestern Railway, 2.5 miles northeast of Champion, MI.	---	11-08-48	10.9

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04057745	Second River	Middle Branch Escanaba River	Lat 46°31'36", long 87°52'03", in SE1/4 sec.25, T.48 N., R.29 W., Marquette County, at county road, 3.5 miles northeast of Humboldt, MI.	3.12	11-08-48	2.56
04057750	Second River	Middle Branch Escanaba River	Lat 46°31'03", long 87°52'30", in NE1/4 sec.36, T.48 N., R.29 W., Marquette County, at Chicago Northwestern Railway, 1.6 miles northeast of Humboldt, MI.	9.83	09-22-61	1.90
					02-12-62	1.54
					08-22-62	0.90
					10-18-62	1.62
					07-16-63	2.62
					08-19-76	0.22
04057770	Halfway Creek	Middle Branch Escanaba River	Lat 46°29'49", long 87°55'21", in SW1/4 sec.03, T.47 N., R.29 W., Marquette County, at U.S. Hwy. 41, 1.7 miles west of Humboldt, MI.	3.93	09-22-61	0.55
					02-13-62	0.28
					08-22-62	0.08
					07-16-63	0.21
04057771	Halfway Creek	Middle Branch Escanaba River	Lat 46°30'04", long 87°55'07", in SW1/4 NE1/4 sec.03, T.47 N., R.29 W., Marquette County, at railroad bridge, 1.5 miles west of Humboldt, MI.	6.23	10-18-62	1.81
					08-19-76	0.73
04057800	Middle Branch Escanaba River	Escanaba River	Lat 46°29'57", long 87°53'11", in SW1/4 sec.01, T.47 N., R.29 W., Marquette County, at county highway, 0.3 mile north of Humboldt, MI.	46.0	09-24-48	6.61
					11-08-48	20.2
					01-29-59	12.2
					02-10-59	11.3
					02-26-59	10.1
					03-12-59	12.7
04057801	Middle Branch Escanaba River	Escanaba River	Lat 46°29'36", long 87°52'04", in SE1/4 sec.01, T.47 N., R.20 W., Marquette County, at U.S. Hwy. 41, 1.0 mile east of Humboldt, MI.	---	10-02-52	10.2
04057803	Middle Branch Escanaba River	Escanaba River	Lat 46°29'22", long 87°51'28", in NE1/4 NW1/4 sec.07, T.47 N., R.28 W., Marquette County, at county road, 0.1 mile south of Clarksburg, MI.	47.6	09-14-71	9.82
04057806	Boston Lake Outlet	Middle Branch Escanaba River	Lat 46°30'23", long 87°49'52", in NE1/4 sec.05, T.47 N., R.28 W., Marquette County, 0.2 mile below Boston Lake, at Diorite, MI.	1.99	10-18-62	0.02
04057808	Boston Lake Outlet	Middle Branch Escanaba River	Lat 46°29'17", long 87°51'08", in NW1/4 sec.07, T.47 N., R.28 W., Marquette County, at U.S. 41, at Clarksburg, MI.	7.02	10-18-62	0.00
04057810	Middle Branch Escanaba River	Escanaba River	Lat 46°29'32", long 87°51'03", in NW1/4 SE1/4 sec.07, T.47 N., R.28 W., Marquette County, just off county road, 0.5 mile south of Clarksburg, MI.	54.8	01-16-59	19.6
					01-29-59	14.2
					02-10-59	12.8
					02-26-59	10.6
					06-10-59	31.1
					09-22-61	10.9
					02-12-62	9.72
					08-22-62	6.12
					10-18-62	12.4
					07-16-63	12.3
04057815	Middle Branch Escanaba River	Escanaba River	Lat 46°26'09", long 87°48'38", in SW1/4 SE1/4 sec.28, T.47 N., R.28 W., Marquette County, just off trail road, 4.4 miles southwest of Greenwood, MI.	68.0	09-03-71	13.7
					09-08-71	11.8
					09-16-71	12.9
04057819	Bell Creek	Middle Branch Escanaba River	Lat 46°25'14", long 87°47'54", in NW1/4 NW1/4 sec.03, T.46 N., R.28 W., Marquette County, at mouth, just off county road, 6.5 miles southeast of Humboldt, MI.	3.49	08-18-71	0.78
					07-20-72	2.20
					08-31-76	0.01
04057820	Middle Branch Escanaba River	Escanaba River	Lat 46°25'12", long 87°47'50", in NW1/4 sec.03, T.46 N., R.28 W., Marquette County, at county road, 5.0 miles southwest of Greenwood, MI.	73.3	10-02-60	43.6
					08-17-61	10.8
					09-22-61	15.0
					02-13-62	18.0
					06-29-62	21.6
					08-22-62	8.62
					10-15-62	20.4
					02-13-63	14.7
					04-25-63	84.5

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	 Discharge (ft³/s)
04057820	Middle Branch Escanaba River	Escanaba River	Continued		07-01-63	29.8
					07-16-63	17.0
					10-02-63	11.0
					02-19-64	12.4
					05-20-64	86.2
					01-06-65	33.1
					07-21-65	16.1
					01-13-66	84.5
					02-10-66	70.1
					03-15-66	99.1
					04-20-66	435
					06-09-66	144
					07-08-66	24.9
					08-04-66	11.7
					09-01-66	22.8
					10-25-66	64.8
					11-24-66	89.1
					12-24-66	70.9
					02-01-67	50.4
					03-08-67	26.6
					05-07-67	160
					06-20-67	161
					07-20-67	36.1
					08-17-67	17.5
					09-27-67	12.9
					11-29-67	42.8
					12-19-67	31.6
					01-12-68	21.6
					02-14-68	21.4
					05-21-68	95.8
					07-25-68	74.0
					08-21-68	32.0
					10-18-68	74.5
					11-13-68	80.5
					12-11-68	63.6
					01-21-69	47.6
					03-05-69	38.5
					05-05-69	292
					06-18-69	72.5
					07-15-69	28.0
					08-14-69	16.1
					11-05-69	37.9
					01-13-70	20.8
					04-28-70	366
					06-01-70	525
04057850	Black River	Middle Branch Escanaba River	Lat 46°26'38", long 87°56'08", in NE1/4 sec.28, T.47 N., R.29 W., Marquette County, at County Road 601, 4.2 miles southwest of Humboldt, MI.	11.3	12-08-60	15.0
					08-17-61	0.12
					09-22-61	1.01
					02-13-62	1.98
					06-29-62	1.70
					08-22-62	0.06
					10-15-62	1.72
					02-13-63	2.70
					04-25-63	14.2
					07-01-63	4.08
					07-16-63	0.57
					10-02-63	0.14
					03-10-64	0.50
					05-20-64	20.0
					06-02-64	10.1
					08-13-64	1.15
					01-21-65	3.05
					07-21-65	0.12
					08-19-76	0.00
04057855	Lake Lory Outlet	Black River	Lat 46°28'23", long 87°53'10", in NW1/4 sec.13, T.47 N., R.29 W., Marquette County, 1.5 miles south of Humboldt, MI.	---	11-09-49	1.33
					12-16-49	1.13
					01-31-50	0.77
					03-16-50	1.03
					05-04-50	8.13
					06-14-50	3.82
					08-04-50	2.22
					10-10-50	0.10
					01-09-51	0.39
					02-20-51	0.42
					08-23-51	1.11
					10-09-51	3.82
					11-29-51	2.53
					01-31-52	1.02
					02-28-52	0.59
					04-04-52	1.61
					04-25-52	20.6
					05-29-52	2.57
					06-30-52	2.32
					07-28-52	1.49

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04057855	Lake Lory Outlet	Black River	Continued		08-29-52	1.87
					09-25-52	0.12
					10-29-52	0.00
					12-02-52	0.00
					12-31-52	0.12
					01-28-53	0.00
					03-02-53	0.00
					04-01-53	1.82
					05-26-53	3.60
					07-31-53	0.00
					10-16-53	0.00
04057860	McKinnon Lake Outlet	Lake Lory Outlet	Lat 46°28'46", long 87°54'09", in NW1/4 sec.14, T.47 N., R.29 W., Marquette County, 2.0 miles south of Humboldt, MI.	2.80	09-12-60	4.69
					07-16-63	0.81
04057870	Lake Lory Outlet	Black River	Lat 46°26'48", long 87°55'53", in NE1/4 sec.28, T.47 N., R.29 W., Marquette County, at County Road 601 4.0 miles southwest of Humboldt, MI.	7.45	09-12-60	7.42
					12-08-60	14.0
					09-22-61	0.75
					02-13-62	3.14
					08-22-62	1.27
					10-15-62	3.23
					07-16-63	0.84
04057885	Black River	Middle Branch Escanaba River	Lat 46°25'33", long 87°55'40", in SW1/4 sec.34, T.47 N., R.29 W., Marquette County, at county road,3.0 miles northeast of Republic, MI.	24.0	10-02-60	17.7
04057890	Bruce Creek	Black River	Lat 46°24'30", long 87°55'42", in SW1/4 sec.03, T.46 N., R.29 W., Marquette County, at county road, 2.5 miles east of Republic, MI.	6.79	09-22-61	0.63
					02-13-62	0.71
					08-22-62	0.28
					07-16-63	0.79
04057900	Black River	Middle Branch Escanaba River	Lat 46°25'08", long 87°53'21", in NE1/4 sec.02, T.46 N., R.29 W., Marquette County, at county road, 4.4 miles east of Republic, MI.	34.4	09-12-60	28.5
					11-13-68	31.1
					01-21-69	25.3
					07-07-69	21.2
					08-14-69	2.21
					11-05-69	14.5
					02-17-70	6.82
					06-23-70	12.2
					08-10-70	1.93
					08-19-76	1.16
					08-31-76	0.04
04057980	Black River	Middle Branch Escanaba River	Lat 46°23'48", long 87°46'20", in SW1/4 sec.11, T.46 N., R.28 W., Marquette County, 0.3 mile upstream from mouth, 6.5 miles south of Greenwood, MI.	50.8	08-17-61	6.11
					09-22-61	7.82
					02-13-62	7.53
					02-14-62	9.39
					06-29-62	13.8
					08-22-62	4.95
					10-15-62	15.6
					02-13-63	9.96
					04-25-63	60.9
					07-01-63	18.2
					07-16-63	6.18
					10-01-63	4.41
					02-19-64	9.07
					05-20-64	70.2
					06-02-64	40.1
					01-06-65	19.3
					07-21-65	5.54
04058000	Middle Branch Escanaba River	Escanaba River	Lat 46°23'40", long 87°45'30", in NW1/4 SW1/4 sec.12, T.46 N., R.28 W., Marquette County, 0.5 mile downstream from County Road 581, 6.0 miles southwest of Ishpeming, MI.	128	08-31-76	32.3
04058002	Unnamed tributary	Middle Branch Escanaba River	Lat 46°23'23", long 87°45'36", in NW1/4 sec.13, T.46 N., R.28 W., Marquette County, at end of trail road, 6.0 miles southwest of National Mine, MI.	---	10-17-62	1.06
04058010	West Branch Creek	Middle Branch Escanaba River	Lat 46°21'54", long 87°50'05", in SE1/4 SW1/4 sec.20, T.46 N., R.28 W., Marquette County, at county road, 7.0 miles southeast of Republic, MI.	6.27	09-22-61	0.28
					08-22-62	0.19
					07-16-63	0.32

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04058020	West Branch Creek	Middle Branch Escanaba River	Lat 46°21'41", long 87°47'04", in NE1/4 sec.27, T.46 N., R.28 W., Marquette County, at County Road 581, 8.0 miles southwest of Ishpeming, MI.	19.6	10-02-60	18.7
					09-21-61	4.39
					09-22-61	4.93
					02-13-62	6.33
					06-29-62	6.98
					08-22-62	3.70
					10-17-62	9.04
					02-13-63	5.45
					04-25-63	17.2
					07-01-63	5.45
					07-11-63	2.96
					07-16-63	3.83
					10-01-63	4.18
					02-19-64	3.90
					05-20-64	17.5
					07-22-64	3.12
					01-06-65	7.99
					07-21-65	3.19
					08-18-76	4.41
04058021	Unnamed tributary	West Branch Creek	Lat 46°21'39", long 87°46'55", in NW1/4 NW1/4 sec.26, T.46 N., R.28 W., Marquette County, near mouth, 8.0 miles southwest of National Mine, MI.	---	07-11-63	1.34
					07-22-64	1.54
04058022	Rocky Creek	West Branch Creek	Lat 46°21'59", long 87°47'04", in SE1/4 sec.22, T.46 N., R.28 W., Marquette County, at County Road 581, 8.0 miles southwest of Ishpeming, MI.	2.00	08-17-61	0.64
					10-15-62	0.84
					07-11-63	0.52
					07-22-64	0.59
					08-18-76	0.10
04058023	Rocky Creek	West Branch Creek	Lat 46°22'00", long 87°46'38", in SW1/4 sec.23, T.46 N., R.28 W., Marquette County, at mouth, 8.0 miles southwest of National Mine, MI.	---	10-17-62	0.93
04058024	West Branch Creek	Middle Branch Escanaba River	Lat 46°22'15", long 87°46'15", in SW1/4 NE1/4 sec.23, T.46 N., R.28 W., Marquette County, at end of trail road, 7.5 miles southwest of National Mine, MI.	---	10-17-62	12.2
04058026	West Branch Creek	Middle Branch Escanaba River	Lat 46°23'03", long 87°45'18", in NE1/4 SW1/4 sec.13, T.46 N., R.28 W., Marquette County, near mouth, 6.0 miles southwest of National Mine, MI.	32.4	10-17-62	14.2
					07-11-63	7.39
					07-22-64	7.07
04058030	Middle Branch Escanaba River	Escanaba River	Lat 46°23'07", long 87°44'48", in SW1/4 NE1/4 sec.13, T.46 N., R.28 W., Marquette County, at county road, 6.0 miles southwest of National Mine, MI.	164	09-22-61	40.4
					08-22-62	27.6
					10-17-62	52.9
					07-11-63	33.5
					07-12-63	32.9
					07-16-63	34.6
					07-22-64	27.9
04058031	Middle Branch Escanaba River	Escanaba River	Lat 46°23'13", long 87°43'48", in SE1/4 NW1/4 sec.18, T.46 N., R.27 W., Marquette County, just off trail road, 5.5 miles southwest of National Mine, MI.	---	07-22-64	26.8
04058032	Middle Branch Escanaba River	Escanaba River	Lat 46°23'46", long 87°42'18", in SE1/4 sec.08, T.46 N., R.27 W., Marquette County, at end of trail road, 4.5 miles south of National Mine, MI.	168	07-11-63	39.6
					07-22-64	31.8
					09-03-71	48.4
04058034	Middle Branch Escanaba River	Escanaba River	Lat 46°23'18", long 87°41'16", in NE1/4 NW1/4 sec.16, T.46 N., R.27 W., Marquette County, at end of trail road, 5.0 miles south of National Mine, MI.	---	07-11-63	39.4
					07-22-64	32.7
04058036	Middle Branch Escanaba River	Escanaba River	Lat 46°22'21", long 87°40'17", in SW1/4 sec.15, T.46 N., R.27 W., Marquette County, at end of trail road, 5.5 miles south of National Mine, MI.	---	07-11-63	42.4
					07-22-64	33.5
04058038	Middle Branch Escanaba River	Escanaba River	Lat 46°22'31", long 87°39'12", in NW1/4 NW1/4 sec.23, T.46 N., R.27 W., Marquette County, at trail road, 5.0 miles southwest of Suomi, MI.	---	07-11-63	43.4
					07-22-64	35.6

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04058040	Middle Branch Escanaba River	Escanaba River	Lat 46°22'14", long 87°38'54", in SE1/4 NW1/4 sec.23, T.46 N., R.27 W., Marquette County, above unnamed tributary, 5.0 miles southwest of Suomi, MI.	---	07-11-63	40.5
					07-22-64	33.6
04058043	Unnamed tributary	Middle Branch Escanaba River	Lat 46°22'13", long 87°38'56", in NE1/4 SW1/4 sec.23, T.46 N., R.27 W., Marquette County, just above mouth, 5.0 miles southwest of Suomi, MI.	---	07-11-63	2.61
					07-22-64	2.59
04058044	Middle Branch Escanaba River	Escanaba River	Lat 46°21'30", long 87°38'36", in SW1/4 NE1/4 sec.26, T.46 N., R.27 W., Marquette County, at trail road, 5.0 miles southwest of Suomi, MI.	---	07-22-64	36.1
04058047	Unnamed tributary	Middle Branch Escanaba River	Lat 46°21'19", long 87°38'40", in NE1/4 sec.26, T.46 N., R.27 W., Marquette County, at trail road, 5.5 miles southwest of Suomi, MI.	---	07-11-63	1.94
					07-22-64	1.70
04058050	Middle Branch Escanaba River	Escanaba River	Lat 46°21'36", long 87°36'52", in NW1/4 NW1/4 sec.30, T.46 N., R.26 W., Marquette County, at trail road, 4.2 miles southwest of Suomi, MI.	179	08-17-61	47.7
					09-22-61	45.8
					02-13-62	48.9
					06-28-62	78.2
					08-22-62	34.9
					10-15-62	70.0
					02-12-63	40.9
					04-25-63	187
					07-01-63	71.6
					07-11-63	39.2
					07-16-63	42.8
					10-01-63	39.0
					02-11-64	46.6
					05-20-64	212
					07-22-64	38.1
					01-08-65	93.9
					07-21-65	44.2
04058056	Flopper Creek	Middle Branch Escanaba River	Lat 46°20'15", long 87°39'14", in NW1/4 SW1/4 sec.35, T.46 N., R.27 W., Marquette County, 9.0 miles northwest of Princeton, MI.	---	08-16-62	1.77
04058057	Flopper Creek	Middle Branch Escanaba River	Lat 46°20'27", long 87°38'03", in NW1/4 SW1/4 sec.36, T.46 N., R.27 W., Marquette County, at end of trail road, 8.5 miles northwest of Princeton, MI.	---	08-16-62	4.50
04058058	Flopper Creek	Middle Branch Escanaba River	Lat 46°20'14", long 87°37'22", in SE1/4 sec.36, T.46 N., R.27 W., Marquette County, above unnamed tributary, 8.0 miles northwest of Princeton, MI.	---	08-16-62	5.34
04058059	Unnamed tributary	Flopper Creek	Lat 46°20'13", long 87°37'20", in SE1/4 sec.36, T.46 N., R.27 W., Marquette County, 8.0 miles northwest of Princeton, MI.	---	08-16-62	0.83
04058060	Flopper Creek	Middle Branch Escanaba River	Lat 46°20'10", long 87°36'37", in SW1/4 sec.31, T.46 N., R.26 W., Marquette County, at County Road 565, 7.0 miles northwest of Princeton, MI.	8.05	09-22-61	6.64
					02-12-62	6.36
					08-16-62	5.40
					08-22-62	5.77
					07-11-63	4.28
					07-16-63	4.82
04058061	Flopper Creek	Middle Branch Escanaba River	Lat 46°20'13", long 87°36'00", in SE1/4 sec.31, T.46 N., R.26 W., Marquette County, at end of trail road, 6.5 miles northwest of Princeton, MI.	---	08-16-62	6.13
04058062	Flopper Creek	Middle Branch Escanaba River	Lat 46°20'35", long 87°35'47", in SE1/4 NE1/4 sec.31, T.46 N., R.26 W., Marquette County, at trail road, 7.0 miles northwest of Princeton, MI.	9.22	08-16-62	7.03
					07-11-63	4.52

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04058073	Bear Creek	Middle Branch Escanaba River	Lat 46°18'13", long 87°36'48", in NW1/4 NW1/4 sec.18, T.45 N., R.26 W., Marquette County, at end of trail road, 6.8 miles west of Princeton, MI.	---	08-15-62	1.41
04058074	Bear Creek	Middle Branch Escanaba River	Lat 46°18'26", long 87°36'30", in SW1/4 sec.07, T.45 N., R.26 W., Marquette County, above unnamed tributary, 6.5 miles west of Princeton, MI.	---	08-15-62	1.56
04058075	Unnamed tributary	Bear Creek	Lat 46°18'27", long 87°36'30", in SW1/4 sec.07, T.45 N., R.26 W., Marquette County, 6.5 miles west of Princeton, MI.	---	08-15-62	1.81
04058076	Bear Creek	Middle Branch Escanaba River	Lat 46°18'25", long 87°35'33", in SW1/4 SW1/4 sec.08, T.45 N., R.26 W., Marquette County, 5.8 miles west of Princeton, MI.	---	08-15-62	2.78
04058077	Unnamed tributary	Bear Creek	Lat 46°18'04", long 87°34'44", in NE1/4 sec.17, T.45 N., R.26 W., Marquette County, 5.0 miles west of Princeton, MI.	---	08-15-62	0.82
04058078	Bear Creek	Middle Branch Escanaba River	Lat 46°18'15", long 87°34'27", in SE1/4 sec.08, T.45 N., R.26 W., Marquette County, at end of trail road, 5.0 miles west of Princeton, MI.	---	08-15-62	4.68
04058079	Unnamed tributary	Bear Creek	Lat 46°18'27", long 87°34'12", in SW1/4 sec.09, T.45 N., R.26 W., Marquette County, near mouth, 4.0 miles northwest of Princeton, MI.	---	08-15-62	0.42
04058080	Bear Creek	Middle Branch Escanaba River	Lat 46°18'41", long 87°33'01", in SW1/4 NW1/4 sec.10, T.45 N., R.26 W., Marquette County, at County Road 565, 4.0 miles northwest of Princeton, MI.	11.8	10-04-60	16.4
					08-16-61	9.05
					09-10-61	7.66
					09-22-61	6.67
					02-12-62	8.66
					06-28-62	9.19
					08-15-62	7.51
					08-22-62	6.31
					10-15-62	8.94
					02-12-63	7.93
					04-25-63	10.7
					07-01-63	6.04
					07-11-63	3.71
					07-16-63	5.44
					10-01-63	6.08
					02-11-64	6.08
					05-18-64	8.27
					08-20-64	6.34
					01-08-65	9.46
					07-21-65	6.11
04058110	Green Creek	Middle Branch Escanaba River	Lat 46°23'47", long 87°39'19", in NE1/4 NE1/4 sec.10, T.46 N., R.27 W., Marquette County, at tailings pond site, 4.0 mile southwest of Palmer, MI.	---	01-30-63	0.17
					02-12-63	0.41
					06-11-63	5.12
					06-25-63	1.02
04058119	Green Creek	Middle Branch Escanaba River	Lat 46°23'02", long 87°37'16", in NW1/4 SE1/4 sec.13, T.46 N., R.27 W., Marquette County, at trail road, 4.0 miles south of Palmer, MI.	---	08-15-62	1.82
04058120	Green Creek	Middle Branch Escanaba River	Lat 46°22'22", long 87°36'21", in NW1/4 sec.19, T.46 N., R.26 W., Marquette County, at County Road 565, 4.5 miles south of Palmer, MI.	8.42	09-22-61	1.70
					02-12-62	2.30
					08-15-62	2.21
					08-22-62	1.57
					07-16-63	1.64
					11-19-63	1.73
					12-03-63	1.72
					12-31-63	1.75
					04-01-64	2.29
					04-28-64	12.5
					12-23-64	9.24
					04-15-65	34.7

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04058120	Green Creek	Middle Branch Escanaba River	Continued		06-18-65	9.32
					07-28-65	5.39
					08-27-65	2.54
					03-02-70	10.6
					01-18-71	17.8
					06-21-71	16.3
					07-14-71	12.0
					09-14-71	1.68
					09-15-71	1.43
					11-02-71	7.05
					12-13-71	2.56
					02-02-72	2.15
					03-22-72	2.97
					05-24-72	25.6
					07-21-72	22.0
					08-09-72	15.1
					09-28-72	31.5
					11-10-72	28.6
					12-04-72	3.05
					12-27-72	17.9
					01-22-73	18.9
					03-05-73	21.2
					04-02-73	34.9
					05-16-73	6.78
					06-14-73	2.47
					07-17-73	2.40
					08-27-73	1.94
					10-03-73	0.73
					12-11-73	0.52
					02-06-74	1.89
					03-12-74	2.68
					05-09-74	7.07
					06-03-74	3.31
					07-16-74	0.75
					08-20-74	5.68
					09-11-74	5.72
					09-24-74	7.64
					10-17-74	10.1
					11-07-74	20.1
					11-21-74	21.3
					01-29-75	22.3
					04-10-75	28.2
					05-08-75	48.1
					06-11-75	25.1
					07-29-75	18.1
					09-02-75	4.16
					09-23-75	14.6
					10-29-75	16.1
					11-19-75	30.2
					12-18-75	26.2
					01-23-76	14.9
					02-18-76	27.4
					03-24-76	35.3
					04-20-76	65.0
					04-27-76	34.8
					05-17-76	32.1
					06-15-76	22.2
					07-13-76	17.0
					08-12-76	13.4
					09-09-76	8.90
					10-20-76	6.45
					11-24-76	12.1
					12-17-76	19.2
					01-19-77	18.0
					02-16-77	14.0
					03-15-77	32.9
					04-19-77	20.8
					05-17-77	8.38
					06-20-77	3.29
					07-21-77	3.40
					08-24-77	2.42
					10-20-77	13.0
					12-05-77	15.2
					12-29-77	27.1
					05-02-78	8.15
					09-14-78	47.4
					01-11-79	18.6
					02-20-79	22.6
					03-20-79	29.2
					07-11-79	25.0
					08-01-79	43.1
					11-29-79	36.3
					02-27-80	13.0
					05-27-80	4.22
					08-27-80	6.97
					11-05-80	6.15
					05-14-81	27.2
					08-20-81	15.9

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04058120	Green Creek	Middle Branch Escanaba River	Continued		09-24-81	9.87
					01-27-82	4.54
					05-20-82	19.2
					06-07-82	6.83
					07-14-82	6.22
					08-30-82	5.17
					10-06-82	4.94
					03-08-83	15.0
					06-28-83	14.3
					09-07-83	2.61
					11-09-83	6.18
					01-25-84	18.6
					05-08-84	11.0
					06-21-84	5.18
04058122	Green Creek	Middle Branch Escanaba River	Lat 46°22'18", long 87°35'46", in SE1/4 NE1/4 sec.19, T.46 N., R.26 W., Marquette County, 5.0 miles south of Palmer, MI.	---	08-15-62	2.66
04058124	Green Creek	Middle Branch Escanaba River	Lat 46°21'23", long 87°34'31", in SE1/4 NE1/4 sec.29, T.46 N., R.26 W., Marquette County, at trail road, 6.0 miles south of Palmer, MI.	11.0	08-16-62	3.53
					06-22-71	10.1
					09-14-71	3.35
04058126	Green Creek	Middle Branch Escanaba River	Lat 46°20'23", long 87°32'58", in NW1/4 SW1/4 sec.34, T.46 N., R.26 W., Marquette County, 5.0 miles northwest of Princeton, MI.	---	08-14-62	5.40
					08-16-62	3.74
04058130	Green Creek	Middle Branch Escanaba River	Lat 46°20'02", long 87°31'58", in SW1/4 sec.35, T.46 N., R.26 W., Marquette County, at State Hwy. M-35, 4.0 miles northwest of Princeton, MI.	13.8	10-03-60	8.04
					08-16-61	4.46
					09-10-61	4.60
					09-22-61	4.37
					02-12-62	4.98
					06-28-62	7.13
					08-14-62	6.36
					08-16-62	4.93
					08-22-62	3.59
					10-15-62	6.52
					02-12-63	4.56
					04-04-63	62.8
					04-25-63	10.5
					06-25-63	8.15
					07-16-63	3.87
					10-01-63	2.84
					11-19-63	3.69
					12-03-63	4.10
					12-31-63	3.00
					01-27-64	4.09
					02-26-64	3.78
					04-01-64	4.02
					04-28-64	25.8
					08-12-64	6.12
					01-08-65	15.0
					07-21-65	5.92
					06-22-71	16.0
					09-14-71	5.18
					10-06-82	18.2
					11-08-82	9.69
04058132	Green Creek	Middle Branch Escanaba River	Lat 46°19'32", long 87°30'42", in SE1/4 sec.02, T.45 N., R.26 W., Marquette County, 2.5 miles northwest of Princeton. MI.	---	08-14-62	7.16
04058140	Green Creek	Middle Branch Escanaba River	Lat 46°19'06", long 87°29'44", in NE1/4 NE1/4 sec.12, T.45 N., R.26 W., Marquette County, at mouth, 2.0 miles northwest of Princeton, MI.	19.0	07-29-74	3.97
04058161	Ely Creek	Schweitzer Creek	Lat 46°28'14", long 87°39'29", in NE1/4 SE1/4 sec.15, T.47 N., R.27 W., Marquette County, at dam at Lake Sally outlet, 1.0 mile south of Ishpeming, MI.	---	08-09-77	0.00
04058163	Ely Creek	Schweitzer Creek	Lat 46°28'04", long 87°39'52", in NW1/4 SE1/4 sec.15, T.47 N., R.27 W., Marquette County, 0.5 mile downstream of dam at Lake Sally outlet, 1.3 miles south of Ishpeming, MI.	---	08-09-77	0.02

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Discharge (ft³/s)
04058165	Ely Creek	Schweitzer Creek	Lat 46°27'32", long 87°40'56", in SW1/4 NE1/4 sec.21, T.47 N., R.27 W., Marquette County, at county road, at National Mine, MI.	---	08-09-77	0.33
04058167	Ely Creek	Schweitzer Creek	Lat 46°26'58", long 87°40'52", in SE1/4 SE1/4 sec.21, T.47 N., R.27 W., Marquette County, at county road, 0.6 mile south of National Mine, MI.	---	08-09-77	0.82
04058170	Ely Creek	Schweitzer Creek	Lat 46°26'03", long 87°41'26", in NE1/4 NW1/4 sec.33, T.47 N., R.27 W., Marquette County, at County Road 476, 1.5 miles south of National Mine, MI.	9.25	08-16-61	0.71
					09-22-61	0.99
					02-12-62	1.07
					06-28-62	1.38
					07-17-62	0.64
					08-22-62	0.47
					10-15-62	2.23
					02-12-63	1.18
					04-25-63	5.67
					07-01-63	1.57
					07-16-63	1.11
					10-01-63	0.96
					02-11-64	1.25
					05-18-64	5.98
					06-01-64	3.27
					01-06-65	2.39
					07-21-65	0.46
					08-18-76	1.76
					08-09-77	1.33
04058175	Green Creek	Schweitzer Creek	Lat 46°25'48", long 87°45'08", in SE1/4 NW1/4 sec.36, T.47 N., R.28 W., Marquette County, at County Road 581, 4.0 miles southwest of National Mine, MI.	---	07-17-62	0.33
04058180	Unnamed tributary	Green Creek	Lat 46°25'26", long 87°44'08", in SW1/4 sec.31, T.47 N., R.27 W., Marquette County, 3.5 miles southwest of National Mine, MI.	---	07-17-62	0.42
04058183	Schweitzer Creek	East Branch Escanaba River	Lat 46°25'04", long 87°40'48", in NE1/4 sec.04, T.46 N., R.27 W., Marquette County, 3.0 miles south of National Mine, MI.	---	07-17-62	4.01
04058186	Schweitzer Creek	East Branch Escanaba River	Lat 46°25'07", long 87°40'20", in NW1/4 sec.03, T.46 N., R.27 W., Marquette County, 3.0 miles south of National Mine, MI.	---	07-17-62	4.92
04058190	Schweitzer Creek	East Branch Escanaba River	Lat 46°24'49", long 87°38'37", in NW1/4 SE1/4 sec.02, T.46 N., R.27 W., Marquette County, 3.0 miles southwest of Palmer, MI.	---	07-11-62	6.38
					07-17-62	5.29
04058210	Schweitzer Creek	East Branch Escanaba River	Lat 46°24'25", long 87°35'37", in SE1/4 sec.06, T.46 N., R.26 W., Marquette County, at County Road 565, 2.0 miles south of Palmer, MI.	25.0	10-04-60	12.2
04058220	Schweitzer Creek	East Branch Escanaba River	Lat 46°24'07", long 87°32'44", in SE1/4 NW1/4 sec.10, T.46 N., R.26 W., Marquette County, just above Warner Creek, 0.8 mile east of Soumi, MI.	28.2	09-25-72	8.12
04058235	Warner Creek	East Branch Escanaba River	Lat 46°26'39", long 87°35'35", in SW1/4 NW1/4 sec.29, T.47 N., R.26 W., Marquette County, at State Hwy. M-35, 0.2 mile north of Palmer, MI.	3.00	09-25-72	1.95
04058240	Warner Creek	East Branch Escanaba River	Lat 46°26'13", long 87°35'42", in SE1/4 sec.30, T.47 N., R.26 W., Marquette County, at State Hwy. M-35, at Palmer, MI.	6.00	08-31-70	2.49
					08-30-76	0.93

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04058244	Warner Creek	East Branch Escanaba River	Lat 46°25'47", long 87°35'56", in SW1/4 NE1/4 sec.31, T.47 N., R.26 W., Marquette County, 50 feet above unnamed tributary, 1.1 miles southwest of Palmer, MI.	7.00	09-25-72	4.13
04058250	Unnamed tributary	Warner Creek	Lat 46°25'20", long 87°36'09", in NW1/4 SE1/4 sec.31, T.47 N., R.26 W., Marquette County, at County Road 565, 0.8 mile south of Palmer, MI.	4.05	08-31-72	2.46
					09-25-72	2.11
					09-28-72	11.5
					11-09-72	9.86
					12-04-72	1.76
					04-04-73	16.8
					05-16-73	14.6
					07-31-73	14.8
					08-30-73	2.12
					10-03-73	2.55
					12-20-73	1.58
					06-03-74	4.82
					08-20-74	3.06
					10-17-74	3.27
					11-19-74	5.62
					01-29-75	2.92
					04-09-75	1.39
					05-08-75	8.14
					06-12-75	4.88
					07-29-75	0.37
					09-02-75	7.51
					09-23-75	0.73
					10-21-75	2.25
					11-21-75	2.34
					12-18-75	3.31
					01-23-76	0.78
					02-18-76	0.89
					03-31-76	21.3
					04-27-76	4.49
					05-17-76	8.45
					06-15-76	2.09
					07-14-76	0.62
					08-12-76	3.07
					09-09-76	0.35
					10-20-76	0.93
					11-24-76	2.00
					12-16-76	0.28
					01-19-77	0.27
					02-16-77	0.21
					03-15-77	12.9
					04-19-77	8.13
					05-17-77	2.65
					06-20-77	1.67
					07-19-77	2.90
					08-24-77	1.49
					10-20-77	2.50
					12-05-77	2.95
					12-29-77	3.18
					02-09-78	1.50
					02-23-78	1.75
					03-22-78	2.85
					05-02-78	7.45
					05-16-78	4.88
					06-05-78	3.11
					07-11-78	1.72
					08-14-78	1.10
					09-14-78	4.32
					10-11-78	3.02
					11-08-78	2.76
					01-11-79	1.50
					01-30-79	1.17
					02-20-79	1.21
					03-20-79	2.03
					05-07-79	3.19
					06-13-79	4.22
					07-11-79	1.82
					08-01-79	5.40
					08-29-79	2.82
					09-25-79	1.55
					10-30-79	9.26
					11-29-79	3.21
					12-18-79	1.97
					01-30-80	1.79
					02-27-80	1.55

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04058250	Unnamed tributary	Warner Creek	Continued		03-26-80	2.97
					04-30-80	2.65
					05-27-80	0.59
					06-18-80	0.76
					08-05-80	7.95
					08-27-80	1.25
					09-25-80	2.37
					05-14-81	2.72
					08-20-81	2.06
					09-24-81	1.06
04058252	Unnamed tributary	Warner Creek	Lat 46°25'46", long 87°35'56", in SW1/4 NE1/4 sec.31, T.47 N., R.26 W., Marquette County, 100 feet upstream of mouth, 1.1 miles southwest of Palmer, MI.	---	09-25-72	3.62
04058300	Warner Creek	East Branch Escanaba River	Lat 46°24'09", long 87°32'39", in NW1/4 sec.10, T.46 N., R.26 W., Marquette County, at county road, 3.5 miles southeast of Palmer, MI.	14.2	11-13-68	17.4
					03-06-69	10.1
					07-08-69	7.73
					08-13-69	4.20
					11-06-69	8.87
					02-18-70	3.43
					06-23-70	10.4
					08-10-70	3.98
					09-25-72	11.8
					11-10-72	40.3
					11-06-78	10.7
					08-07-79	14.8
					09-12-79	16.4
					05-21-80	11.7
					08-12-80	4.69
					11-18-80	6.98
					05-14-81	11.7
					08-20-81	7.73
					09-24-81	5.21
04058320	East Branch Escanaba River	Escanaba River	Lat 46°23'21", long 87°31'39", in SE1/4 NW1/4 sec.14, T.46 N., R.26 W., Marquette County, at end of trail road, 4.0 miles southeast of Palmer, MI.	46.0	09-16-64	10.3
					06-03-71	36.8
04058325	Fifteen Creek	East Branch Escanaba River	Lat 46°22'39", long 87°32'44", in SW1/4 sec.15, T.46 N., R.26 W., Marquette County, 1.2 miles upstream of mouth, 4.0 miles southeast of Palmer, MI.	---	09-17-64	0.90
04058328	Fifteen Creek	East Branch Escanaba River	Lat 46°23'10", long 87°31'23", in SE1/4 NW1/4 sec.14, T.46 N., R.26 W., Marquette County, at mouth, 2.0 miles southeast of Suomi, MI.	4.00	09-25-72	1.31
04058335	East Branch Escanaba River	Escanaba River	Lat 46°22'54", long 87°29'38", in NE1/4 SE1/4 sec.13, T.46 N., R.26 W., Marquette County, 350 feet upstream of Goose Lake outlet, 3.3 miles southeast of Soumi, MI.	49.2	09-25-72	20.1
04058340	Goose Lake Inlet	Goose Lake	Lat 46°29'50", long 87°36'27", in SW1/4 sec.06, T.47 N., R.26 W., Marquette County, at Negaunee,MI.	---	09-02-48	1.80
					10-26-48	1.38
					10-26-48	1.62
					11-09-48	2.33
					12-14-48	1.40
					04-09-49	3.42
					04-29-49	2.17
					05-18-49	2.61
					05-18-49	3.12
					05-31-49	2.26
					06-02-49	2.05
					06-15-49	1.83
					06-21-49	2.14
					07-05-49	4.40
					07-11-49	1.93
04058342	Goose Lake Inlet	Goose Lake	Lat 46°29'37", long 87°35'34", in SW1/4 sec.05, T.47 N., R.26 W., Marquette County, at Negaunee, MI.	---	09-02-48	1.94
					10-26-48	1.03
					10-26-48	1.18
					10-26-48	1.56
					11-09-48	2.13
					12-06-48	2.68
					12-14-48	1.18
					04-09-49	3.63
					04-29-49	2.67
					05-18-49	2.50
					05-18-49	3.46

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04058342	Goose Lake Inlet	Goose Lake	Continued		05-31-49	2.68
					05-31-49	2.37
					06-02-49	2.84
					06-14-49	1.97
					06-15-49	2.15
					06-21-49	3.11
					06-23-49	4.89
					07-05-49	5.19
					07-11-49	1.66
					08-10-49	4.16
					08-10-49	3.46
					08-16-49	2.36
					08-16-49	2.47
					08-24-49	1.99
					09-15-49	2.84
					09-23-49	3.25
					10-17-49	2.20
					11-16-49	2.82
					04-29-50	4.75
					05-02-50	6.52
					05-05-50	13.9
					05-16-50	5.66
					05-22-50	4.50
					05-23-50	4.20
					05-31-50	4.87
					06-05-50	4.22
					06-13-50	4.23
					06-19-50	2.77
					06-21-50	2.98
					07-11-50	1.94
					07-14-50	2.07
					07-25-50	1.94
					07-27-50	2.00
					07-31-50	3.36
					08-21-50	2.05
					08-22-50	2.00
					08-29-50	1.75
					09-06-50	2.03
					09-20-50	1.89
					10-13-50	1.69
					11-06-50	1.44
					08-27-52	1.93
					09-04-52	1.78
					09-15-52	1.56
					09-17-52	1.34
					09-23-52	2.01
					09-29-52	2.18
					10-09-52	1.42
					10-10-52	1.52
					10-14-52	1.69
					10-29-52	2.25
04058348	Goose Lake Inlet	Goose Lake	Lat 46°28'53", long 87°34'12", in SW1/4 sec.09, T.47 N., R.26 W., Marquette County, 2.5 miles southeast of Negaunee, MI.	---	08-27-52	4.09
04058350	Goose Lake Inlet	Goose Lake	Lat 46°28'31", long 87°32'44", in NW1/4 sec.15, T.47 N., R.26 W., Marquette County, 0.8 mile upstream of Goose Lake, 2.5 miles southeast of Negaunee, MI.	9.57	08-26-52	5.46
					08-23-61	3.46
					09-10-61	3.15
					09-22-61	4.61
					02-12-62	4.98
					06-28-62	3.59
					07-01-63	5.35
04058360	Goose Lake Outlet	East Branch Escanaba River	Lat 46°27'28", long 87°30'00", in NW1/4 sec.24, T.47 N., R.26 W., Marquette County, at lake outlet, 4.5 miles east of Palmer, MI.	14.6	08-26-52	9.71
					08-16-62	3.50
					07-26-63	5.51
					07-21-64	7.23
					11-08-65	10.0
					12-07-65	18.8
					01-11-66	16.7
					02-08-66	10.8
					03-14-66	18.8
					05-24-66	23.3
					06-07-66	41.8
					07-05-66	9.74
					08-09-66	6.13
					09-07-66	5.19
					10-26-66	8.05
					11-18-66	9.00
					12-13-66	18.1
					02-08-67	11.4
					04-29-67	33.7
					05-31-67	17.9
					06-19-67	23.4
					07-19-67	16.8

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04058360	Goose Lake Outlet	East Branch Escanaba River	Continued		08-06-67	9.18
					08-15-67	7.74
					09-28-67	5.14
					10-24-67	9.17
					11-28-67	12.3
					12-18-67	9.87
					01-09-68	8.12
					02-13-68	8.01
					05-21-68	23.8
					08-01-68	13.6
					09-05-68	17.1
					10-08-68	16.5
					11-11-68	22.2
					12-17-68	26.5
					02-06-69	16.0
					03-18-69	12.5
					05-06-69	58.3
					06-19-69	20.3
					07-16-69	11.6
					08-15-69	7.02
					09-08-69	4.96
					10-22-69	12.0
					12-01-69	12.2
					01-14-70	10.2
					02-24-70	9.14
					04-28-70	69.2
					06-04-70	97.1
					07-10-70	16.2
					09-25-72	9.71
					08-30-76	0.44
					10-01-80	21.5
					06-10-81	15.5
					08-24-81	2.38
04058365	Goose Lake Outlet	East Branch Escanaba River	Lat 46°26'49", long 87°30'09", in NE1/4 NW1/4 sec.25, T.47 N., R.26 W., Marquette County, 4.0 miles east of Palmer, MI.	20.5	08-16-62	2.58
					07-26-63	3.92
					07-21-64	6.11
					08-30-76	0.00
					10-01-80	11.4
					06-10-81	11.4
					08-24-81	0.93
					05-26-82	20.2
04058368	Goose Lake Outlet	East Branch Escanaba River	Lat 46°26'26", long 87°30'39", in NE1/4 SE1/4 sec.26, T.47 N., R.26 W., Marquette County, 3.8 miles east of Palmer, MI.	---	05-26-82	23.2
04058370	Goose Lake Outlet	East Branch Escanaba River	Lat 46°25'58", long 87°30'36", in NW1/4 sec.36, T.47 N., R.26 W., Marquette County, at trail road, 3.7 miles east of Palmer, MI.	21.8	10-03-60	17.4
					09-22-61	4.28
					06-28-62	6.35
					08-16-62	2.19
					08-22-62	1.81
					08-22-62	1.81
					10-15-62	4.24
					04-25-63	20.0
					07-01-63	13.1
					07-16-63	4.35
					07-26-63	3.31
					10-01-63	1.41
					02-12-64	0.47
					05-25-64	20.3
					07-21-64	3.50
					01-05-65	4.77
					06-23-71	17.1
					08-30-76	0.02
					10-01-80	10.7
					08-24-81	0.64
					05-26-82	24.4
					06-10-84	12.6
04058371	Goose Lake Outlet	East Branch Escanaba River	Lat 46°25'37", long 87°30'45", in NE1/4 SE1/4 sec.35, T.47 N., R.26 W., Marquette County, 3.7 miles east of Palmer, MI.	24.0	06-10-81	14.1
04058372	Goose Lake Outlet	East Branch Escanaba River	Lat 46°25'17", long 87°30'28", in SW1/4 sec.36, T.47 N., R.26 W., Marquette County, above unnamed tributary, 4.2 miles east of Palmer, MI.	25.4	07-26-63	4.53
					07-21-64	3.14
04058374	Unnamed tributary	Goose Lake Outlet	Lat 46°25'16", long 87°30'30", in SW1/4 SW1/4 sec.36, T.47 N., R.26 W., Marquette County, at mouth, 4.0 miles east of Palmer, MI.	---	08-31-76	0.00
					10-01-80	0.15
					06-11-81	0.20
					08-24-81	0.09

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	 Discharge (ft^3/s)
04058375	Goose Lake Outlet	East Branch Escanaba River	Lat 46°25'14", long 87°30'26", in SW1/4 SW1/4 sec.36, T.47 N., R.26 W., Marquette County, below unnamed tributary, 4.2 miles southeast of Palmer, MI.	31.0	08-17-61	6.94
					08-16-62	2.95
					07-26-63	4.45
					07-21-64	3.98
					05-31-76	0.13
					10-01-80	15.5
					06-11-81	15.4
					08-24-81	2.38
04058380	Goose Lake Outlet	East Branch Escanaba River	Lat 46°24'37", long 87°30'30", in NW1/4 SW1/4 sec.01, T.46 N., R.26 W., Marquette County, 4.5 miles southeast of Palmer, MI.	32.8	08-16-62	3.49
					07-26-63	5.16
					07-21-64	4.74
					06-02-71	35.5
					06-23-71	24.9
					09-14-71	3.38
					08-31-76	1.94
					06-11-81	35.6
					08-24-81	9.15
04058390	Goose Lake Outlet	East Branch Escanaba River	Lat 46°24'04", long 87°30'06", in SE1/4 NW1/4 sec.12, T.46 N., R.26 W., Marquette County, 5.0 miles southwest of Sands Station, MI.	36.0	08-16-62	5.35
					07-26-63	6.37
					07-21-64	5.81
					08-31-76	2.20
					06-11-81	36.9
					08-24-81	10.8
04058400	Goose Lake Outlet	East Branch Escanaba River	Lat 46°23'36", long 87°29'40", in SE1/4 SE1/4 sec.12, T.46 N., R.26 W., Marquette County, 0.8 mile upstream of mouth, 3.0 miles southwest of Sands Station, MI.	37.5	09-10-61	8.58
					09-22-61	9.37
					02-22-62	5.93[a]
					06-28-62	12.1
					08-16-62	7.57
					08-22-62	6.78
					10-15-62	10.1
					03-01-63	4.98
					04-25-63	30.2
					07-01-63	17.8
					07-16-63	9.49
					07-26-63	8.93
					10-01-63	5.75
					02-18-64	4.62
					05-18-64	31.6
					07-21-64	9.42
					09-16-64	9.41
					01-05-65	11.0
					07-20-65	6.68
					10-07-82	17.6
					11-08-82	21.7
04058402	Goose Lake Outlet	East Branch Escanaba River	Lat 46°22'54", long 87°29'33", in NE1/4 SE1/4 sec.13, T.46 N., R.26 W., Marquette County, at mouth, 3.3 miles southeast of Soumi, MI.	37.8	09-25-72	15.0
04058410	East Branch Escanaba River	Escanaba River	Lat 46°22'44", long 87°29'07", in SW1/4 sec.18, T.46 N., R.25 W., Marquette County, 0.5 mile downstream of Goose Lake Outlet, 2.8 miles west of Sands Station, MI.	---	09-16-64	21.7
04058420	East Branch Escanaba River	Escanaba River	Lat 46°22'18", long 87°28'06", in NW1/4 sec.20, T.46 N., R.25 W., Marquette County, 1.8 miles west of Sands Station, MI.	---	09-16-64	20.5
04058430	Powell Lake Outlet	Uncle Tom Lake	Lat 46°23'20", long 87°27'03", in NW1/4 sec.17, T.46 N., R.25 W., Marquette County, 1.5 miles above mouth, near Sands Station, MI.	---	08-14-62	0.00
04058440	Uncle Tom Creek	East Branch Escanaba River	Lat 46°22'32", long 87°27'21", in NW1/4 NE1/4 sec.20, T.46 N., R.25 W., Marquette County, 1.0 mile west of Sands Station, MI.	4.25	08-19-76	2.97

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04058450	East Branch Escanaba River	Escanaba River	Lat 46°24'58", long 87°27'10", in SE1/4 sec.20, T.46 N., R.25 W., Marquette County, 0.4 mile downstream of Uncle Tom Creek, 1.5 miles southwest of Sands Station, MI.	96.6	08-17-61	27.6
					09-22-61	26.0
					02-22-62	25.3
					06-28-62	36.4
					08-22-62	18.8
					10-15-62	32.6
					02-14-63	16.8
					04-25-63	66.1
					07-01-63	47.8
					07-16-63	20.3
					10-01-63	18.7
					02-18-64	16.5
					05-18-64	80.6
					09-15-64	23.0
					01-05-65	33.6
					07-20-65	19.2
04058470	O'Neal Creek	East Branch Escanaba River	Lat 46°20'48", long 87°26'55", in NW1/4 sec.33, T.46 N., R.25 W., Marquette County, at mouth, 2.5 miles southwest of Sands Station, MI.	8.26	09-22-61	1.48
					08-22-62	1.00
					07-16-63	1.43
					09-16-64	2.35
04058480	East Branch Escanaba River	Escanaba River	Lat 46°20'45", long 87°26'54", in NW1/4 NW1/4 sec.33, T.46 N., R.25 W., Marquette County, just below O'Neal Creek, 2.5 miles southwest of Sands Station, MI.	109	09-16-64	29.8
					06-03-71	94.0
04058482	East Branch Escanaba River	Escanaba River	Lat 46°19'38", long 87°26'34", in NW1/4 sec.04, T.45 N., R.25 W., Marquette County, above unnamed tributary,3.0 miles north of Gwinn, MI.	111	06-03-71	95.5
					08-17-71	30.0
					09-13-71	32.0
04058490	East Branch Escanaba River	Escanaba River	Lat 46°19'02", long 87°25'39", in NW1/4 sec.10, T.45 N., R.25 W., Marquette County, 2.5 miles north of Gwinn, MI.	---	09-16-64	35.6
04058495	Unnamed tributary	East Branch Escanaba River	Lat 46°18'32", long 87°25'52", in NE1/4 SE1/4 sec.09, T.45 N., R.25 W., Marquette County, 0.8 mile upstream of mouth, 2.0 miles north of Gwinn, MI.	---	09-16-64	0.02
04058505	Halfway Creek	East Branch Escanaba River	Lat 46°16'41", long 87°26'09", in SE1/4 sec.21, T.45 N., R.25 W., Marquette County, 150 feet above mouth, at Gwinn, MI.	3.29	07-26-63	8.62
					07-21-64	8.08
					08-19-76	8.44
04058506	East Branch Escanaba River	Escanaba River	Lat 46°16'41", long 87°26'11", in SE1/4 sec.21, T.45 N., R.25 W., Marquette County, at State Hwy. M-35, at Gwinn, MI.	127	03-12-64	33.7
04058520	Escanaba River	Little Bay de Noc	Lat 46°12'12", long 87°25'56", in SE1/4 SE1/4 sec.16, T.44 N., R.25 W., Marquette County, at county road, 5.0 miles south of Gwinn, MI.	380	08-17-71	85.7
04058540	West Branch Escanaba River	Escanaba River	Lat 46°11'45", long 87°45'39", in SW1/4 NW1/4 sec.24, T.44 N., R.28 W., Dickinson County, 10.0 miles north of Ralph, MI.	65.0	06-02-71	53.4
					07-12-71	31.1
					08-17-71	25.1
					09-17-71	21.1
04058600	West Branch Escanaba River	Escanaba River	Lat 46°08'48", long 87°27'46", in SW1/4 sec.05, T.43 N., R.25 W., Marquette County, 2.0 miles above mouth, 7.0 miles north of Arnold, MI.	300	07-30-63	46.8
					09-01-70	63.5
					08-19-76	61.6

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04058700	Little Lake Outlet	Sawmill Creek	Lat 46°16'25", long 87°20'57", in NE1/4 NE1/4 sec.30, T.45 N., R.24 W., Marquette County, at lake outlet, 1.0 mile southwest of Forsyth, MI.	9.72	05-20-64	4.49
					08-20-64	0.12
					11-19-64	4.19
					06-15-65	3.02
					07-20-65	0.71
					11-19-65	0.22
					02-16-66	1.73
					06-01-66	1.12
					09-08-66	2.25
					11-24-66	0.56
					02-21-67	2.85
					04-28-67	3.35
					07-18-67	4.53
					10-03-67	0.42
					02-12-68	3.41
					08-02-68	3.68
					11-06-68	2.70
					12-18-68	4.81
					07-08-69	4.45
					08-13-69	1.34
					11-05-69	0.99
					04-30-70	5.62
					09-21-70	2.05
					12-17-70	4.76
04058948	Squaw Creek	Escanaba River	Lat 46°01'26", long 87°14'07", in NW1/4 sec.19, T.42 N., R.23 W., Delta County, below Summer Meadow Creek, 3.2 miles southwest of Rock, MI.	---	12-13-67	3.68
04058950	Squaw Creek	Escanaba River	Lat 45°58'29", long 87°13'33", in SE1/4 sec.06, T.41 N., R.23 W., Delta County, 500 feet upstream of mouth, 5.0 miles north of Cornell, MI.	22.0	09-15-67	0.16
					12-13-67	6.61
					08-05-75	0.42
					08-03-76	0.18
04058955	Indian Creek	Escanaba River	Lat 45°58'16", long 87°12'50", in NW1/4 sec.08, T.41 N., R.23 W., Delta County, 0.5 mile upstream of mouth, 4.8 miles north of Cornell, MI.	6.00	08-05-75	0.10
					08-03-76	0.01
04058980	Hunters Brook	Escanaba River	Lat 45°57'13", long 87°14'03", in NW1/4 sec.18, T.41 N., R.23 W., Delta County, at County Road 523, 3.7 miles north of Cornell, MI.	40.0	08-05-75	6.93
					08-03-76	1.72
04058990	Mosquito Creek	Escanaba River	Lat 45°55'55", long 87°12'36", in SE1/4 sec.20, T.41 N., R.23 W., Delta County, at trail road, 2.2 miles north of Cornell, MI.	6.00	08-05-75	0.30
					08-03-76	0.30
04058995	Bobs Creek	Escanaba River	Lat 45°55'00", long 87°13'15", in SW1/4 sec.29, T.41 N., R.23 W., Delta County, at trail road, 1.0 mile north of Cornell, MI.	8.00	08-05-75	0.14
					08-03-76	0.00
04059020	Silver Creek	Escanaba River	Lat 45°53'02", long 87°05'48", in NW1/4 sec.12, T.40 N., R.23 W., Delta County, at county road, 3.5 miles southwest of Brampton, MI.	3.00	08-06-75	0.05
					08-03-76	0.05
04059030	Escanaba River	Little Bay de Noc	Lat 45°52'00", long 87°05'38", in NW1/4 sec.13, T.40 N., R.23 W., Delta County, near Gladstone, MI.	---	09-20-50	597
04059031	Reno Creek	Escanaba River	Lat 45°50'27", long 87°05'38", in SW1/4 sec.24, T.40 N., R.23 W., Delta County, at county road, 3.0 miles west of Gladstone, MI.	12.0	08-05-75	0.80
					08-03-76	0.48
04059033	Bichler Creek	Escanaba River	Lat 45°48'29", long 87°06'01", in NE1/4 sec.02, T.39 N., R.23 W., Delta County, at County Road 426, 2.8 miles north of Escanaba, MI.	9.00	08-05-75	0.64
					08-03-76	0.34
					08-18-80	0.71

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04059034	Escanaba River	Little Bay de Noc	Lat 45°48'22", long 87°05'51", in SW1/4 NW1/4 sec.01, T.39 N., R.23 W., Delta County, 600 feet downstream of Bichler Creek, 2.0 miles northwest of Wells, MI.	920	08-29-74	260
					08-29-74	220
					08-30-74	368
					03-30-74	404
					06-24-75	2250
					06-24-75	2110
					06-25-75	565
					07-07-75	432
					08-18-80	378
					08-18-80	404
					08-19-80	356
					08-19-80	344
					08-20-80	383
					08-21-80	421
					10-15-80	561
					07-01-81	1120
					07-06-81	931
					07-07-81	847
					07-09-81	585
					07-13-81	463
					07-16-81	437
					07-29-81	432
					07-31-81	381
					09-28-81	280
					10-01-81	363
					01-14-82	441
					06-02-82	636
					06-29-82	462
					07-30-82	494
					08-13-82	510
					09-30-82	1030
					12-16-82	592
					03-01-83	558
					06-21-83	733
					07-19-83	390
					01-04-84	648
					05-22-84	772
					06-26-84	386
					09-21-84	660
R 04059035	Portage Creek	Portage Bay	Lat 45°43'42", long 87°06'42", in NW1/4 SE1/4 sec.35, T.39 N., R.23 W., Delta County, at County Road C-31, at Escanaba, MI.	15.0	08-28-70	0.13
					08-07-75	0.37
					08-03-76	0.15
R 04059040	Willow Creek	Portage Creek	Lat 45°44'46", long 87°05'28", in NW1/4 SE1/4 sec.25, T.39 N., R.23 W., Delta County, at U.S. Hwy. 2, at Escanaba, MI.	6.00	08-28-70	0.26
					04-21-75	131
					08-07-75	0.96
					04-07-76	99.8
					08-03-76	0.42
04059042	Portage Creek	Portage Bay	Lat 45°43'15", long 87°05'53", in SW1/4 NW1/4 sec.01, T.38 N., R.23 W., Delta County, at east-west runway of Delta County Airport, at Escanaba, MI.	20.3	09-21-71	6.60
					08-29-73	12.6
					09-12-73	6.58
					10-02-73	7.05
					02-13-74	1.63
					05-30-74	15.6
					07-18-74	47.3
					10-18-74	11.8
					02-06-75	4.70
					08-08-75	2.30
					10-17-75	3.37
					03-10-76	5.09
					05-13-76	21.1
					05-18-77	9.21
					10-26-77	15.8
R 04059043	Portage Creek	Portage Bay	Lat 45°42'43", long 87°05'36", in SE1/4 SW1/4 sec.01, T.38 N., R.23 W., Delta County, at State Hwy. M-35, at Escanaba, MI.	30.0	09-25-68	30.6
					09-25-68	29.5
					09-26-68	26.6
					04-21-75	215
					04-24-75	314
					08-03-76	1.43
04059100	Ford River	Green Bay	Lat 46°06'19", long 87°47'11", in SE1/4 SE1/4 sec.22, T.43 N., R.28 W., Dickinson County, at County Road 581, at Ralph, MI.	130	11-04-48	28.5
					07-30-63	12.0
					09-01-70	12.8
04059110	North Branch Ford River	Ford River	Lat 46°05'04", long 87°38'26", in NE1/4 NE1/4 sec.35, T.43 N., R.27 W., Dickinson County, at Alfred, MI.	---	07-30-63	6.56

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04059120	Ford River	Green Bay	Lat 45°58'42", long 87°26'22", in NW1/4 SE1/4 sec.04, T.41 N., R.25 W., Menominee County, 3.0 miles southwest of Watson, MI.	230	10-02-68 05-26-69 07-22-69 08-25-70 05-14-71	158 255 76.0 26.0 188
04059130	South Branch Ford River	Ford River	Lat 45°35'46", long 87°35'37", in SW1/4 SW1/4 sec.20, T.41 N., R.26 W., Menominee County, 0.2 mile east of Helps, MI.	9.00	05-26-69 05-14-71	16.1 5.66
04059135	West Branch Ford River	Ford River	Lat 45°56'31", long 87°27'08", in NE1/4 NE1/4 sec.20, T.41 N., R.25 W., Menominee County, 1.2 miles upstream of mouth, 4.0 miles north of LaBranch, MI.	50.0	10-02-68 05-26-69 07-22-69 05-14-71	29.6 44.5 8.31 32.9
04059140	Ford River	Green Bay	Lat 45°55'52", long 87°21'23", in NW1/4 SE1/4 sec.19, T.41 N., R.24 W., Delta County, 3.0 miles west of Woodlawn, MI.	330	10-02-68 05-26-69 07-22-69 05-14-71	200 317 91.1 258
04059150	Ford River	Green Bay	Lat 45°51'55", long 87°18'39", in SW1/4 NE1/4 sec.18, T.40 N., R.24 W., Delta County, 6.0 miles southwest of Cornell, MI.	350	05-26-69 07-22-69 05-14-71	343 96.7 291
04059160	Twenty-four Mile Creek	Ford River	Lat 45°51'16", long 87°18'54", in NW1/4 NE1/4 sec.19, T.40 N., R.24 W., Delta County, 1.0 mile upstream of mouth, 4.5 miles northeast of Perronville, MI.	9.00	05-26-69 07-22-69 05-14-71 08-04-76	7.75 3.59 9.34 0.17
04059170	Ten Mile Creek	Ford River	Lat 45°53'36", long 87°30'44", in SE1/4 NE1/4 sec.04, T.40 N., R.26 W., Menominee County, at county road, at Faunus, MI.	8.00	05-26-69 07-22-69 08-31-70 05-14-71 08-04-76	11.0 2.39 0.00 8.52 0.01
04059172	West Branch Ten Mile Creek	Ten Mile Creek	Lat 45°53'12", long 87°31'19", in SE1/4 SW1/4 sec.04, T.40 N., R.26 W., Menominee County, 0.5 mile upstream of mouth, 0.8 mile southwest of Faunus, MI.	4.00	08-04-76	0.01
04059180	Ten Mile Creek	Ford River	Lat 45°52'23", long 87°28'10", in NE1/4 SE1/4 sec.11, T.40 N., R.26 W., Menominee County, 0.3 mile south of LaBranche, MI.	19.0	05-26-69 07-22-69 05-14-71 08-04-76	17.8 3.48 16.3 0.09
04059190	Ten Mile Creek	Ford River	Lat 45°51'57", long 87°25'42", in NE1/4 NE1/4 sec.18, T.40 N., R.25 W., Menominee County, upstream of unnamed tributary, 2.2 miles southeast of LaBranche, MI.	23.0	05-26-69 07-22-69 08-31-70 05-14-71 08-04-76	22.2 4.70 0.03 20.2 0.10
04059200	Unnamed tributary	Ten Mile Creek	Lat 45°53'56", long 87°25'43", in SW1/4 SW1/4 sec.34, T.41 N., R.25 W., Menominee County, at bend in county road, 2.5 miles northeast of LaBranche, MI.	3.00	05-26-69 07-22-69 05-14-71 08-04-76	5.10 1.30 5.26 0.03
04059210	Unnamed tributary	Ten Mile Creek	Lat 45°52'09", long 87°25'40", in SW1/4 SW1/4 sec.08, T.40 N., R.25 W., Menominee County, at county road, 2.0 miles southeast of LaBranche, MI.	6.00	05-26-69 07-22-69 08-31-70 05-14-71 08-04-76	8.28 1.58 0.12 7.26 0.03
04059250	Ten Mile Creek	Ford River	Lat 45°51'07", long 87°23'13", in NE1/4 NE1/4 sec.21, T.40 N., R.25 W., Menominee County, at county road,2.0 miles north of Whitney, MI.	31.0	05-26-69 07-22-69 05-14-71 08-04-76	29.6 5.64 29.0 0.17
04059400	Ten Mile Creek	Ford River	Lat 45°48'40", long 87°21'58", in NW1/4 NW1/4 sec.02, T.39 N., R.25 W., Menominee County, near county road intersection, 1.0 mile northwest of Perronville, MI.	30.0	05-26-69 07-22-69 08-22-70 08-25-70	32.4 7.51 0.05 0.09
04059402	Ten Mile Creek	Ford River	Lat 45°47'00", long 87°17'03", in NW1/4 NW1/4 sec.16, T.39 N., R.24 W., Delta County, at County Road 410, 1.6 miles northeast of Schaffer, MI.	50.0	08-31-70	0.05

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04059500	Ford River	Green Bay	Lat 45°45'20", long 87°12'05", in SW1/4 sec.19, T.39 N., R.23 W., Delta County, at county road, 1.5 miles north of Hyde, MI.	450	03-30-45	2230
					04-25-50	2910
04059595	Bark River	Green Bay	Lat 45°40'52", long 87°17'04", in NW1/4 NW1/4 sec.21, T.38 N., R.24 W., Delta County, at county road, 2.0 miles south of Bark River, MI.	25.0	08-27-70	0.60
					08-07-75	0.88
					08-03-76	0.48
04059680	Cedar River	Green Bay	Lat 45°47'00", long 87°31'42", in SW1/4 SW1/4 sec.09, T.39 N., R.26 W., Menominee County, 6.0 miles north of Spaulding, MI.	27.0	05-26-69	26.5
					07-22-69	5.57
					08-25-70	0.14
					05-14-71	24.7
04059695	West Branch Cedar River	Cedar River	Lat 45°46'18", long 87°32'29", in SW1/4 SE1/4 sec.17, T.39 N., R.26 W., Menominee County, 5.0 miles northeast of Hermanville, MI.	25.0	05-26-69	21.3
					07-22-69	2.42
					08-25-70	0.01
					05-14-71	17.3
04059700	Cedar River	Green Bay	Lat 45°41'48", long 87°31'25", in SE1/4 SW1/4 sec.09, T.38 N., R.26 W., Menominee County, at U.S. Hwy. 2, 0.5 mile west of Spaulding, MI.	100	08-25-59	516
					09-13-67	1.16
					08-26-69	1.80
					08-21-70	0.22
					08-21-70	0.25
04059710	Forty-seven Mile Creek	Cedar River	Lat 45°47'52", long 87°24'28", in SW1/4 SW1/4 sec.04, T.39 N., R.25 W., Menominee County, 2.8 miles west of Perronville, MI.	18.0	05-26-69	14.0
					07-22-69	3.58
					08-25-70	0.19
					05-14-71	15.6
04059750	Cedar River	Green Bay	Lat 45°31'26", long 87°23'42", in NW1/4 NE1/4 sec.16, T.36 N., R.25 W., Menominee County, at County Road 366, 8.0 miles north of Cedar River, MI.	270	09-08-63	4.58
					08-27-70	5.39
					08-29-73	99.7
					09-12-73	38.3
					10-02-73	84.9
					02-12-74	25.9
					05-20-74	346
					07-16-74	236
					10-18-74	132
					02-06-75	59.3
					06-25-75	255
					08-22-75	5.29
					10-01-75	39.7
					03-10-76	67.6
					07-30-76	6.46
					10-13-76	4.74
					05-12-77	125
					06-23-77	33.0
					08-05-77	67.7
04059757	Big Brook	Walton River	Lat 45°23'25", long 87°30'54", in NE1/4 NE1/4 sec.33, T.34 N., R.26 W., Menominee County, 1,590 feet downstream of Baird Creek, 4.7 miles east of Ingalls, MI.	20.8	10-17-72	2.71
					01-17-73	8.01
					05-18-73	82.2
					08-29-73	8.59
					10-02-73	9.27
					02-12-74	2.72
					05-20-74	31.6
					07-16-74	14.3
					10-25-74	8.91
					02-06-75	4.73
					06-25-75	15.0
					08-22-75	0.00
					10-01-75	0.73
					03-10-76	3.16
					07-30-76	0.00
					10-13-76	0.00
					05-12-77	9.58
					06-23-77	0.79
					08-05-77	1.67
04059760	Walton River	Cedar River	Lat 45°25'44", long 87°26'24", in NE1/4 sec.18, T.35 N., R.25 W., Menominee County, 500 feet below dam, 4.2 miles west of Cedar River, MI.	60.0	08-27-70	11.7
					10-16-72	19.2
					01-17-73	16.8
04059770	Birch Creek	Springer Creek	Lat 45°12'08", long 87°35'12", in NW1/4 NW1/4 sec.01, T.32 N., R.27 W., Menominee County, at Birch Creek Rd., 1.2 miles east of Birch Creek, MI.	5.00	08-12-75	0.00
					07-30-76	0.00

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04059771	Birch Creek	Springer Creek	Lat 45°11'24", long 87°34'36", in NW1/4 NW1/4 sec.12, T.32 N., R.27 W., Menominee County, at Twin Creek Rd., 2.0 miles southeast of Birch Creek, MI.	6.00	08-12-75	0.06
					07-30-76	0.02
04059774	Bis Creek	Green Bay	Lat 45°11'14", long 87°35'47", in NW1/4 NE1/4 sec.11, T.32 N., R.27 W., Menominee County, at Twin Creek Rd., 1.0 mile southeast of Birch Creek, MI.	1.00	08-12-75	0.00
					07-30-76	0.00
04059906	Brule River	Menominee River	Lat 45°59'17", long 88°39'10", in SW1/4 sec.35, T.42 N., R.35 W., Iron County, at State Hwy. M-189, 5.2 miles south of Caspian, MI.	---	07-26-67	133
04059910	Brule River	Menominee River	Lat 46°00'34", long 88°34'43", in NE1/4 sec.29, T.42 N., R.34 W., Iron County, 150 feet above mouth of Iron River, 3.5 miles southeast of Gaastra, MI.	68.5	03-13-74	141
04059960	Iron River	Brule River	Lat 46°07'28", long 88°43'26", in NE1/4 sec.18, T.43 N., R.35 W., Iron County, at county road, 3.0 miles southeast of Beechwood, MI.	24.9	09-01-70	20.1
					08-25-76	11.7
04059963	Iron River	Brule River	Lat 46°07'34", long 88°42'07", in SE1/4 NE1/4 sec.17, T.43 N., R.35 W., Iron County, at county road, near Iron River, MI.	---	10-17-45	28.1
					11-30-45	34.3
					03-02-46	28.8
					04-29-46	31.2
					09-19-46	24.1
					11-21-46	29.6
					06-10-47	38.7
					11-03-48	22.4
04059964	Iron River	Brule River	Lat 46°07'34", long 88°41'22", in SE1/4 NW1/4 sec.16, T.43 N., R.35 W., Iron County, 0.6 mile upstream of Iron Lake Creek, 3.0 miles northwest of Iron River, MI.	---	11-30-45	35.2
					03-02-46	29.5
					04-29-46	32.0
					09-19-46	24.3
					11-21-46	30.1
					06-10-47	39.9
					11-03-48	24.5
					08-08-78	24.5
04059966	Iron Lake Creek	Iron River	Lat 46°07'26", long 88°40'20", in NW1/4 sec.15, T.43 N., R.35 W., Iron County, 100 feet above mouth, near Iron River, MI.	---	06-10-47	1.54
04059967	Iron River	Brule River	Lat 46°06'58", long 88°40'40", in NW1/4 sec.22, T.43 N., R.35 W., Iron County, at railroad bridge, near Iron River, MI.	---	10-18-45	31.8
					11-30-45	37.4
					03-02-46	32.5
					04-29-46	33.9
					09-19-46	26.8
					11-21-46	33.8
					06-10-47	43.4
					11-03-48	24.5
04059970	Sunset Creek	Iron River	Lat 46°08'22", long 88°36'28", in SE1/4 NW1/4 sec.07, T.43 N., R.34 W., Iron County, at Sunset Lake outlet, 3.5 miles southeast of Iron River, MI.	11.5	08-29-74	0.44
					10-29-74	0.72
					01-29-75	2.57
					05-22-75	13.6
					06-29-76	0.00
					07-28-76	0.00
					09-01-76	0.00
					10-20-76	0.00
04059973	Costigan Creek	Sunset Creek	Lat 46°08'10", long 88°37'49", in NE1/4 SW1/4 sec.12, T.43 N., R.35 W., Iron County, 50 feet upstream of mouth, 2.5 miles north of Iron River, MI.	3.00	05-17-77	2.68
04059974	Sunset Creek	Iron River	Lat 46°06'27", long 88°39'55", in NW1/4 SE1/4 sec.22, T.43 N., R.35 W., Iron County, at county road immediately above unnamed tributary, 1.0 mile northwest of Iron River, MI.	---	08-08-78	0.89

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04059975	Sunset Creek	Iron River	Lat 46°06'07", long 88°40'15", in NE1/4 NW1/4 sec.27, T.43 N., R.35 W., Iron County, at Chicago and Northwestern Railroad, 2.5 miles northwest of Iron River, MI.	19.2	11-30-45	14.7
					03-02-46	13.1
					04-29-46	16.6
					09-19-46	11.8
					11-21-46	13.2
					06-10-47	16.7
					11-03-48	8.87
					08-13-74	8.56
04059980	Stanley Creek	Iron River	Lat 46°05'08", long 88°41'12", in NW1/4 NE1/4 sec.33, T.43 N., R.35 W., Iron County, at State Hwy. M-73, 2.2 miles west of Iron River, MI.	3.28	06-01-64	1.89
					08-05-64	1.62
					10-01-64	1.05
					07-22-65	1.21
					11-03-65	1.47
					07-12-66	1.05
					09-02-66	2.47
					11-01-66	1.08
					01-13-67	1.75
					06-05-67	2.05
					08-01-67	1.95
					10-03-67	1.20
					01-05-68	1.05
					04-13-68	3.73
					07-15-68	4.19
					10-21-68	1.69
					12-30-68	2.69
					05-12-69	4.51
					07-10-69	3.41
					11-26-69	2.61
					05-27-70	3.38
					10-15-70	1.22
					01-26-71	1.92
					05-03-71	5.57
					07-29-71	1.45
04059982	Stanley Creek	Iron River	Lat 46°05'35", long 88°40'22", in NE1/4 SW1/4 sec.27, T.43 N., R.35 W., Iron County, at U.S. Hwy. 2, 1.0 mile west of Iron River, MI.	5.00	10-17-45	1.68
					11-30-45	2.66
					03-02-46	2.23
					04-29-46	1.70
					09-19-46	1.16
					11-21-46	2.14
					06-10-47	2.72
					11-03-48	0.60
					08-08-78	8.43
04059985	Iron River	Brule River	Lat 46°05'37", long 88°39'01", in NE1/4 SE1/4 sec.27, T.43 N., R.35 W., Iron County, at county road, 0.6 miles west of Iron River, MI.	---	10-17-45	53.3
					11-30-45	62.1
					03-02-46	48.8
					04-29-46	56.5
					09-19-46	41.7
					11-21-46	49.1
					06-10-47	66.2
					11-03-48	36.5
04059987	Iron River	Brule River	Lat 46°05'50", long 88°38'37", in NE1/4 sec.26, T.43 N., R.35 W., Iron County, at 7th St. Bridge, in Iron River, MI.	---	11-30-45	59.5
					03-02-46	48.7
					04-29-46	57.6
					09-19-46	42.9
					11-21-46	50.2
					06-10-47	70.3
					11-03-48	36.5
04059990	Iron River	Brule River	Lat 46°05'30", long 88°38'06", in SW1/4 sec.25, T.43 N., R.35 W., Iron County, at U.S. Hwy. 2, at Iron River, MI.	---	10-17-45	54.3
					11-30-45	66.5
					03-02-46	52.6
					04-29-46	58.6
					09-19-46	47.8
					11-21-46	59.2
					06-10-47	66.8
					11-03-48	43.5
04060000	Iron River	Brule River	Lat 46°04'20", long 88°38'11", in NW1/4 NW1/4 sec.01, T.42 N., R.35 W., Iron County, 500 feet south of township line, 0.2 mile north of Caspian, MI.	---	09-18-46	53.6
					11-26-46	58.0
					06-11-47	76.9
					11-03-48	42.8

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements: Date	Measurements: Discharge (ft^3/s)
04060001	Dober Mine Pond Outlet	Iron River	Lat 46°02'08", long 88°38'08", in NW1/4 NW1/4 sec.01, T.42 N., R.35 W., Iron County, at mouth, at Stambaugh, MI.	---	11-21-72	0.20
					01-25-73	0.28
					09-14-73	0.23
					12-06-73	0.12
					01-31-74	0.09
					05-29-74	0.25
					06-26-74	0.21
					08-13-74	0.13
					12-05-74	0.23
					10-14-75	0.20
					07-29-76	0.05
					03-16-78	0.02
					11-01-79	0.44
					05-29-80	0.10
04060100	Holmes Creek	Iron River	Lat 46°04'13", long 88°38'06", in NW1/4 sec.01, T.42 N., R.35 W., Iron County, at mouth, at Caspian, MI.	---	09-18-46	0.47
					11-26-46	0.57
					06-11-47	0.92
					11-03-48	0.33
04060395	Verona Mine Pond Outlet	Iron River	Lat 46°03'58", long 88°37'23", in SW1/4 NE1/4 sec.01, T.42 N., R.35 W., Iron County, at Chicago and Northwestern Railroad, at Caspian, MI.	---	01-31-74	2.27
04060400	Iron River	Brule River	Lat 46°04'01", long 88°37'40", in SW1/4 NE1/4 sec.01, T.42 N., R.35 W., Iron County, at East Caspian Ave., at Caspian, MI.	---	09-18-46	58.1
					11-26-46	58.1
					06-11-47	80.6
					11-03-48	45.8
04060490	Baker Creek	Iron River	Lat 46°03'58", long 88°37'15", in SW1/4 NE1/4 sec.01, T.42 N., R.35 W., Iron County, at mouth, at Caspian, MI.	---	09-18-46	1.45
					11-26-46	3.16
					06-11-47	2.57
					11-03-48	1.66
04060500	Iron River	Brule River	Lat 46°03'31", long 88°37'38", in SE1/4 SW1/4 sec.01, T.42 N., R.35 W., Iron County, at County Road 424, at Caspian, MI.	92.1	09-18-46	57.5
					11-26-46	62.3
					06-11-47	89.6
					07-19-83	83.6
					08-09-83	76.2
					09-14-83	72.4
					09-21-83	261
					10-25-83	85.6
04060510	Iron River	Brule River	Lat 46°02'30", long 88°37'16", in NE1/4 sec.13, T.42 N., R.35 W., Iron County, 3.0 miles upstream of mouth, 1.2 miles south of Caspian, MI.	---	09-18-46	60.6
					11-26-46	69.3
					06-11-47	94.9
					11-03-48	59.0
04060520	Iron River	Brule River	Lat 46°00'40", long 88°34'55", in SW1/4 NE1/4 sec.29, T.42 N., R.34 W., Iron County, 1,000 feet above mouth, about 4.0 miles southeast of Caspian, MI.	---	09-18-46	66.4
					11-26-46	71.0
					06-11-47	98.1
					11-03-48	56.0
04060590	Alpha Creek	Mastodon Creek	Lat 46°03'28", long 88°22'55", in NW1/4 sec.12, T.42 N., R.33 W., Iron County, at highway bridge, 1.1 mile north of Alpha, MI.	3.00	09-06-50	0.02
					08-26-76	0.00
04060592	Alpha Creek	Mastodon Creek	Lat 46°03'28", long 88°22'49", in NW1/4 sec.12, T.42 N., R.33 W., Iron County, 500 feet below highway bridge, 1.0 mile north of Alpha, MI.	---	09-06-50	0.04
04060593	Spring	Alpha Creek	Lat 46°03'27", long 88°22'43", in NW1/4 sec.12, T.42 N., R.33 W., Iron County, 1,000 feet below highway bridge, near Alpha, MI.	---	09-06-50	0.01
04060594	Alpha Creek	Mastodon Creek	Lat 46°03'27", long 88°22'42", in NW1/4 sec.12, T.42 N., R.33 W., Iron County, 1,000 feet below highway bridge, near Alpha, MI.	---	09-06-50	0.04
04060596	Alpha Creek	Mastodon Creek	Lat 46°04'25", long 88°22'35", in NE1/4 sec.12, T.42 N., R.33 W., Iron County, 1,700 feet below highway bridge, near Alpha, MI.	---	09-06-50	0.04

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04060597	Alpha Creek	Mastodon Creek	Lat 46°04'25", long 88°22'30", in NE1/4 sec.12, T.42 N., R.33 W., Iron County, 2,000 feet below highway bridge, near Alpha, MI.	---	09-06-50	0.00
04060600	Mastodon Creek	Buck Lake	Lat 46°02'03", long 88°23'18", in SE1/4 sec.14, T.42 N., R.33 W., Iron County, below mouth of Alpha Creek, 1.0 mile southwest of Alpha, MI.	7.00	08-18-70	1.56
					08-26-76	0.00
04061100	Paint River	Brule River	Lat 46°13'46", long 88°42'00", in NW1/4 sec.09, T.44 N., R.35 W., Iron County, at Gibbs City, MI.	204	07-30-63	90.9
					09-01-70	108
					08-25-76	71.5
04061200	North Branch Net River	Net River	Lat 46°23'11", long 88°30'15", in NW1/4 sec.13, T.46 N., R.34 W., Iron County, 11.0 miles north of Amasa, MI.	56.0	07-30-63	2.24
					08-31-70	1.51
					08-25-76	0.00
04061250	East Branch Net River	Net River	Lat 46°22'24", long 88°29'26", in NW1/4 sec.19, T.46 N., R.33 W., Iron County, 10.0 miles north of Amasa, MI.	43.0	07-30-63	6.13
					08-31-70	7.74
					08-25-76	6.28
04061300	Hemlock River	Paint River	Lat 46°13'04", long 88°27'44", in NW1/4 sec.17, T.44 N., R.33 W., Iron County, 1.0 mile southwest of Amasa, MI.	53.0	07-30-63	8.63
					09-01-70	10.4
					08-25-76	5.49
04061400	Chicagon Creek	Paint River	Lat 46°06'08", long 88°30'25", in SW1/4 sec.24, T.43 N., R.34 W., Iron County, at U.S. Hwy. 2, 6.5 miles east of Iron River, MI.	[illegible]	07-19-45	12.1
					11-05-45	9.75
					01-17-46	10.7
					04-30-46	5.80
					09-11-46	5.65
					01-02-47	9.44
					06-09-47	10.3
					08-05-47	3.28
					01-08-48	5.81
					05-04-48	15.8
					07-07-48	1.35
					10-07-48	0.00
					02-04-49	4.61
					05-03-49	14.1
					08-03-49	0.00
					11-03-49	0.63
					02-07-50	6.23
					05-16-50	31.8
					08-07-50	8.74
					11-02-50	0.00
					01-03-51	5.46
					06-08-51	26.7
					08-07-51	12.1
					10-02-51	8.41
					01-07-52	9.31
					05-06-52	9.33
					08-05-52	29.0
					10-02-52	0.79
					01-06-53	9.21
					06-03-53	26.6
					09-01-53	9.43
					01-06-54	12.0
					06-29-54	25.6
					10-05-54	0.10
					01-04-55	10.9
					04-25-55	20.1
					07-31-55	0.92
					10-03-55	0.50
					01-05-56	8.57
					05-03-56	19.0
					07-05-56	17.5

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04061400	Chicagon Creek	Paint River	Continued		10-01-56	5.25
					01-02-57	9.36
					04-08-57	11.6
					07-01-57	8.28
					10-03-57	1.18
					01-06-58	5.95
					04-03-58	9.54
					07-08-58	25.9
					10-06-58	0.82
					01-05-59	2.62
					04-01-59	6.81
					08-25-76	0.82
04061450	Paint River	Brule River	Lat 46°08'30", long 88°22'02", in NW1/4 sec.07, T.43 N., R.32 W., Iron County, at U.S. Hwy. 141, 3.0 miles north of Crystal Falls, MI.	---	07-26-67	557
04061470	Briar Hill Creek	Paint River	Lat 46°06'10", long 88°23'14", in SW1/4 sec.24, T.43 N., R.33 W., Iron County, at New Bristol Location, near Crystal Falls, MI.	11.8	03-30-45	20.6
					07-19-45	14.5
					11-06-45	14.7
					01-17-46	14.1
					04-30-46	5.67
					09-11-46	20.6
					02-20-47	9.58
					06-10-47	11.6
					08-05-47	5.30
					01-08-48	11.7
					05-04-48	20.5
					07-06-48	8.10
					10-06-48	6.11
					03-03-49	9.17
					05-03-49	6.43
					08-03-49	0.58
					11-03-49	11.8
					02-07-50	10.0
					05-15-50	27.8
					08-07-50	13.0
					11-02-50	11.5
					01-03-51	12.3
					06-08-51	20.2
					08-07-51	20.1
					11-01-51	16.7
					01-07-52	14.7
					05-06-52	16.8
					05-08-52	26.1
					10-02-52	3.64
					01-06-53	12.4
					06-02-53	16.5
					09-01-53	19.7
					01-06-54	16.0
					06-29-54	26.8
					10-05-54	14.1
					01-04-55	13.0
					04-25-55	22.5
					07-13-55	14.2
					10-03-55	1.07
					01-05-56	11.2
					05-03-56	13.9
					07-05-56	18.0
					10-01-56	12.8
					01-02-57	10.2
					04-08-57	14.2
					07-01-57	8.64
					10-03-57	3.82
					01-06-58	9.29
					04-03-58	2.06
					07-08-58	16.2
					10-06-58	14.0
					12-02-58	10.9
					04-01-59	9.70
					06-30-59	8.26
04061900	Paint River	Brule River	Lat 46°01'15", long 88°15'28", in SW1/4 sec.24, T.42 N., R.32 W., Iron County, below Paint River diversion dam, near Crystal Falls, MI.	---	05-13-52	20.4
					05-13-52	7.22
					05-15-52	99.3
					05-15-52	101
					05-16-52	11.2
					11-03-52	90.4
04062003	Paint River	Brule River	Lat 45°59'41", long 88°15'35", in NW1/4 sec.36, T.42 N., R.32 W., Iron County, 0.8 mile above Horse Race Rapids, near Crystal Falls, MI.	---	10-29-50	209

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04062005	Paint River	Brule River	Lat 45°59'28", long 88°15'42", in SW1/4 sec.36, T.42 N., R.32 W., Iron County, at Horse Race Rapids, near Crystal Falls, MI.	---	10-29-50	85.0
04062095	Dishno Creek	Peshekee River	Lat 46°35'30", long 87°59'04", in NW1/4 sec.06, T.48 N., R.29 W., Marquette County, at logging road, 1.2 miles upstream of mouth, 5.0 miles north of Champion, MI.	18.8	05-06-63	31.5
					07-01-63	5.48
					07-16-63	2.56
					10-02-63	1.62
					03-11-64	5.64
					05-21-64	22.6
					08-13-64	7.19
					10-29-64	25.1
					01-07-65	10.2
					07-21-65	1.31
					11-04-65	21.3
					05-31-66	16.0
					09-09-66	2.79
					11-17-66	15.0
					02-22-67	7.74
					05-17-67	18.4
					08-11-67	6.20
					10-04-67	1.67
					01-10-68	5.22
					07-24-68	30.9
					11-05-68	49.6
					03-05-69	11.5
					07-07-69	6.35
					08-14-69	3.67
					11-05-69	19.3
					02-17-70	5.69
					06-23-70	4.70
					08-10-70	0.82
					10-05-70	10.7
					12-16-70	18.7
					06-17-71	11.4
					08-18-71	1.30
					09-22-71	0.87
					02-03-72	6.15
					05-23-72	18.4
					07-06-72	3.79
					08-19-76	0.02
04062100	Peshekee River	Lake Michigamme	Lat 46°34'55", long 87°59'51", in SE1/4 sec.01, T.48 N., R.30 W., Marquette County, at county road, 0.2 mile downstream of Dishno Creek, near Michigamme, MI.	66.5	10-02-60	22.7
					08-19-76	1.05
04062205	Magers Creek	Lake Michigamme	Lat 46°31'15", long 87°59'34", in NE1/4 NE1/4 sec.36, T.48 N., R.30 W., Marquette County, 1.5 miles northwest of Champion, MI.	2.00	02-28-62	0.37
04062210	Spurr River	Lake Michigamme	Lat 46°32'47", long 88°11'11", in NE1/4 sec.21, T.48 N., R.31 W., Baraga County, at outlet of Beaufort Lake, 0.8 mile southeast of Three Lakes, MI.	18.8	10-05-70	16.8
					03-26-71	21.9
					05-06-71	84.5
					09-24-71	3.58
					12-13-71	17.2
					03-24-72	10.7
					06-23-72	22.2
					09-15-72	12.3
					01-03-73	14.4
					04-24-73	76.8
					09-12-73	12.4
					11-27-73	16.1
					02-22-74	9.76
					04-25-74	85.3
					08-16-74	12.2
					10-24-74	23.1
					04-03-75	15.5
					12-04-75	32.2
					03-04-76	11.7
					04-20-76	164
					07-01-76	5.82
					08-18-76	1.34

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04062220	Spurr River	Lake Michigamme	Lat 46°32'03", long 88°08'15", in NE1/4 NE1/4 sec.26, T.48 N., R.31 W., Baraga County, 1.0 mile upstream of mouth, 1.0 mile west of Michigamme, MI.	26.4	08-17-61	2.16
					09-22-61	2.77
					02-13-62	11.6
					06-28-62	25.4
					08-22-62	3.73
					10-15-62	13.6
					02-13-63	9.86
					05-06-63	44.1
					07-02-63	9.24
					07-16-63	6.92
					10-02-63	5.09
					03-11-64	11.6
					05-18-64	56.5
					08-13-64	21.2
					01-21-65	18.7
					07-21-65	15.4
					08-31-70	5.09
04062230	Michigamme River	Menominee River	Lat 46°28'00", long 88°04'28", in SW1/4 SW1/4 sec.16, T.47 N., R.30 W., Marquette County, 1.2 miles downstream of Lake Michigamme, 5.0 miles southeast of Michigamme, MI.	194	05-11-65	3040
					10-05-82	324
					11-09-82	394
04062235	Mill Creek	Spruce River	Lat 46°27'37", long 88°05'30", in NW1/4 sec.20, T.47 N., R.30 W., Marquette County, 6.5 miles northwest of Republic, MI.	9.00	10-05-64	3.86
04062250	Spruce River	Michigamme River	Lat 46°27'40", long 88°04'53", in NE1/4 sec.20, T.47 N., R.30 W., Marquette County, 0.5 mile upstream of mouth, 7.0 miles southwest of Champion, MI.	31.0	07-23-64	4.31
					08-13-64	11.5
					09-01-64	12.4
					10-05-64	19.2
					10-29-64	5.60
					12-02-64	18.9
					01-07-65	14.8
					04-27-65	143
					05-02-65	250
					06-16-65	24.2
					07-21-65	15.4
					07-29-65	7.38
					08-23-65	9.01
					05-31-66	32.0
					09-09-66	11.1
					11-17-66	21.3
					02-09-67	16.1
					05-17-67	40.6
					08-11-67	19.6
					11-14-67	33.5
					01-11-68	12.2
					05-20-68	38.1
					07-24-68	22.4
					11-05-68	43.2
					02-04-69	26.8
					07-07-69	21.1
					08-14-69	8.49
					10-05-69	29.6
					01-13-70	14.3
					06-23-70	15.4
					08-10-70	7.53
					08-19-76	4.21
04062300	Michigamme River	Menominee River	Lat 46°23'03", long 87°58'48", in SE1/4 sec.18, T.46 N., R.29 W., Marquette County, 400 feet upstream of county highway, 6.0 miles south of Republic, MI.	240	10-16-75	120
					09-03-76	2.06
04062320	Trout Falls Creek	Michigamme River	Lat 46°22'38", long 87°59'12", in NW1/4 sec.19, T.46 N., R.29 W., Marquette County, at State Hwy. M-95, 1.2 miles upstream of mouth, 2.0 miles south of Republic, MI.	23.1	08-17-61	2.29
					09-22-61	5.36
					02-13-62	5.17
					06-29-62	17.2
					08-22-62	2.33
					10-15-62	9.41
					02-13-63	4.51
					05-06-63	15.6
					07-01-63	5.24
					07-16-63	2.90
					10-02-63	2.44
					03-10-64	4.66
					05-18-64	18.0
					08-13-64	7.26
					01-21-65	6.17
					07-21-65	2.18
					08-19-76	1.61

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04062347	Beaver Lake Inlet	Beaver Lake	Lat 46°22'34", long 87°56'05", in NW1/4 NE1/4 sec.21, T.46 N., R.29 W., Marquette County, 50 feet upstream of Beaver Lake, 3.0 miles southeast of Republic, MI.	---	02-28-72 06-04-73	0.68 0.98
04062348	Beaver Lake Outlet	Horseshoe Lake	Lat 46°22'22", long 87°56'08", in SW1/4 NE1/4 sec.21, T.46 N., R.29 W., Marquette County, 200 feet downstream of Beaver Lake, 3.2 miles southeast of Republic, MI.	---	01-18-72 02-28-72 06-04-73	0.81 0.73 1.32
04062349	Horseshoe Lake Outlet	Gambles Creek	Lat 46°21'56", long 87°56'20", in SW1/4 SE1/4 sec.21, T.46 N., R.29 W., Marquette County, at bridge, 0.2 mile downstream of Horseshoe Lake, 3.4 miles southeast of Republic, MI.	---	01-18-72 02-28-72 06-04-73	1.36 1.38 2.13
04062400	Michigamme River	Menominee River	Lat 46°14'48", long 88°00'45", in NW1/4 NW1/4 sec.01, T.44 N., R.30 W., Dickinson County, at county road, 0.4 mile upstream of Witch Lake Outlet, 2.0 miles south of Witch Lake, MI.	316	11-06-80	376
04062430	West Branch Fence River	Fence River	Lat 46°20'33", long 88°16'12", in SW1/4 NE1/4 sec.35, T.46 N., R.32 W., Iron County, at culverts, 2.8 miles upstream of East Branch Fence River, 11.0 miles northeast of Amasa,MI.	37.0	09-15-72	24.0
04062450	East Branch Fence River	Fence River	Lat 46°21'07", long 88°13'54", in NE1/4 SW1/4 sec.30, T.46 N., R.31 W., Iron County, 3.0 miles upstream of West Branch Fence River, 13.0 miles northeast of Amasa, MI.	28.0	09-15-72	28.4
04062470	Fence River	Michigamme River	Lat 46°16'46", long 88°09'14", in SW1/4 sec.23, T.45 N., R.31 W., Iron County, 6.5 miles west of Witch Lake, MI.	148	07-30-63 09-01-70 09-15-72 08-18-76	50.9 55.8 128 60.3
04062480	Deer River	Michigamme River	Lat 46°12'14", long 88°19'06", in SW1/4 sec.16, T.44 N., R.32 W., Iron County, at county road, 3.0 miles east of Balsam, MI.	58.2	09-01-70 08-18-76	21.7 22.0
04063000	Menominee River	Green Bay	Lat 45°57'04", long 88°11'13", in NE1/4 sec.16, T.41 N., R.31 W., Iron County, near Florence, WI.	1780	10-03-49	67.2
04065200	White Creek	Menominee River	Lat 45°45'32", long 87°53'33", in SE1/4 sec.21, T.39 N., R.29 W., Dickinson County, at county road, 2.0 miles south of Norway, MI.	---	07-25-67	5.80
04065300	West Branch Sturgeon River	Sturgeon River	Lat 46°00'45", long 87°58'41", in NE1/4 sec.30, T.42 N., R.29 W., Dickinson County, 500 feet downstream of county highway, 4.0 miles northeast of Randville, MI.	56.1	11-04-48 09-19-50 10-15-56 10-23-57 11-12-57 10-14-81 10-19-81	20.2 24.9 36.3 32.1 29.1 28.9 70.0
04065302	West Branch Sturgeon River	Sturgeon River	Lat 46°00'00", long 87°54'06", in NW1/4 sec.35, T.42 N., R.29 W., Dickinson County, at State Hwy. M-69, near Felch, MI.	---	11-04-48 09-19-50	19.5 27.6
04065310	West Branch Sturgeon River	Sturgeon River	Lat 45°54'54", long 87°47'10", in SE1/4 sec.27, T.41 N., R.28 W., Dickinson County, near Foster City, MI.	---	10-23-57	49.7
04065390	East Branch Sturgeon River	Sturgeon River	Lat 46°01'40", long 87°50'05", in NE1/4 sec.20, T.42 N., R.28 W., Dickinson County, at County Road 581, 2.0 miles north of Felch, MI.	47.1	04-16-44 04-21-44 03-20-45 11-04-48 07-13-70 08-07-70 08-25-70	43.0 36.3 279 12.9 4.14 3.15 2.13

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04065392	Skunk Creek	East Branch Sturgeon River	Lat 46°01'51", long 87°49'46", in SE1/4 SE1/4 sec.17, T.42 N., R.28 W., Dickinson County, 0.3 mile upstream of mouth, 2.2 miles north of Felch, MI.	14.5	05-09-73	104
					04-19-74	79.8
					04-22-74	76.5
					04-21-75	74.0
					04-24-75	231
					04-07-76	95.9
					05-17-76	133
					08-18-76	1.18
					08-24-78	113
					04-20-79	124
					06-22-79	45.6
					09-24-80	31.2
					04-07-81	45.4
					06-16-81	100
					04-23-82	50.8
					12-29-82	21.7
					03-10-83	41.7
					05-25-83	58.6
					02-16-84	32.9
04065393	East Branch Sturgeon River	Sturgeon River	Lat 46°01'34", long 87°49'56", in NW1/4 NE1/4 sec.20, T.42 N., R.28 W., Dickinson County, 50 feet downstream of Skunk Creek, 2.2 miles north of Felch, MI.	61.8	09-20-72	11.8
					10-19-72	29.6
					11-14-72	57.3
					03-28-73	119
					05-09-73	365
					09-11-73	25.4
04065395	East Branch Sturgeon River	Sturgeon River	Lat 46°00'06", long 87°41'26", in SW1/4 sec.28, T.42 N., R.27 W., Dickinson County, at county road, 2.5 miles north of Hardwood, MI.	80.0	07-13-70	6.03
					08-07-70	5.56
					08-25-70	3.48
					07-13-72	19.4
04065400	East Branch Sturgeon River	Sturgeon River	Lat 45°57'57", long 87°44'30", in NW1/4 sec.07, T.41 N., R.27 W., Dickinson County, at County Road 569, at Foster City, MI.	106	07-22-69	32.2
					07-13-70	9.87
					08-07-70	17.4
					08-25-70	6.29
					05-14-71	77.1
					09-20-72	29.5
					10-19-72	55.1
					11-14-72	114
					05-09-73	519
					08-26-76	5.50
04065405	East Branch Sturgeon River	Sturgeon River	Lat 45°55'55", long 87°45'05", in SW1/4 NE1/4 sec.24, T.41 N., R.28 W., Dickinson County, 2.5 miles south of Foster City, MI.	---	07-30-63	11.5
04065500	Sturgeon River	Menominee River	Lat 45°54'30", long 87°45'05", in NW1/4 sec.36, T.41 N., R.28 W., Dickinson County, at County Road 569, 4.0 miles south of Foster City, MI.	237	10-07-80	138
04065545	Sturgeon River	Menominee River	Lat 45°49'51", long 87°43'37", in NW1/4 SE1/4 sec.26, T.40 N., R.28 W., Dickinson County, 4.3 miles north of Waucedah, MI.	271	05-26-69	248
					07-22-69	105
					05-14-71	204
04065550	Pine Creek	Sturgeon River	Lat 45°58'02", long 88°00'28", in SW1/4 NW1/4 sec.12, T.41 N., R.30 W., Dickinson County, 0.4 mile upstream of Groveland Mine Outlet, 2.7 miles southeast of Randville, MI.	1.53	12-29-70	1.19
					03-03-71	1.86
					05-03-71	3.44
					08-06-71	0.50
					02-02-72	0.90
					03-15-72	0.60
					04-20-72	18.7
					04-26-72	12.2
					05-17-72	2.32
					06-23-72	0.74
					07-06-72	0.00
					09-08-72	0.48
					11-13-72	1.32
					01-10-73	1.03
					03-21-73	6.[illegible]4
					05-17-73	4.16
					07-11-73	0.76
					10-18-73	0.92
					02-08-74	0.62
					05-09-74	1.13
					09-04-74	0.32
					11-19-74	1.15
					03-19-75	0.98
					05-14-75	1.45

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04065560	Groveland Mine Outlet	Pine Creek	Lat 45°58'27", long 88°00'10", in SW1/4 SE1/4 sec.01, T.41 N., R.30 W., Dickinson County, at overflow weir, 2.9 miles southeast of Randville, MI.	3.40	12-29-70	6.90
					03-03-71	6.96
					05-03-71	9.23
					08-06-71	2.44
					09-08-71	4.46
					01-10-72	0.00
					01-11-72	5.06
					02-02-72	3.58
					03-15-72	9.54
					03-30-72	26.7
					04-20-72	31.3
					05-17-72	5.88
					06-23-72	0.00
					07-06-72	0.00
					09-08-72	4.34
					11-13-72	1.78
					03-21-73	15.3
					05-17-73	11.5
					07-11-73	3.01
					10-18-73	5.63
					02-08-74	4.64
					05-09-74	5.94
					09-04-74	2.89
					11-19-74	11.7
					03-19-75	12.4
					05-14-75	5.79
R 04065565	Unnamed tributary	Pine Creek	Lat 45°58'31", long 87°58'21", in SE1/4 sec.06, T.41 N., R.29 W., Dickinson County, near Randville, MI.	---	11-04-48	0.32
					01-10-57	0.44
04065567	Pine Creek	Sturgeon River	Lat 45°57'38", long 87°58'40", in SE1/4 sec.07, T.41 N., R.29 W., Dickinson County, 4.0 miles southeast of Randville, MI.	---	01-10-57	1.36
04065570	Pine Creek	Sturgeon River	Lat 45°56'42", long 87°59'13", in SW1/4 SW1/4 sec.18, T.41 N., R.29 W., Dickinson County, 500 feet upstream of Mounty's Creek 3.7 miles northeast of Merriman, MI.	8.79	12-30-70	10.1
					03-04-71	10.8
					05-04-71	16.0
					08-05-71	4.50
					09-07-71	6.39
					10-15-71	9.85
					01-11-72	5.90
					02-01-72	5.06
					03-15-72	6.87
					04-21-72	76.0
					04-26-72	58.0
					05-17-72	13.8
					06-23-72	2.56
					07-06-72	1.41
					09-08-72	8.31
					11-13-72	8.34
					01-09-73	3.55
					03-21-73	46.6
					05-16-73	26.5
					07-10-73	6.45
					10-18-73	8.49
					02-07-74	7.56
					05-09-74	9.51
					09-05-74	2.92
					11-19-74	13.6
					03-18-75	9.22
					05-14-75	13.4
					11-04-75	2.10
					03-22-76	3.72
					08-24-76	0.20
					05-13-77	0.15
					09-20-77	0.10
04065573	Mounty's Creek	Pine Creek	Lat 45°57'13", long 88°00'05", in SE1/4 NW1/4 sec.13, T.41 N., R.30 W., Dickinson County, above Pond 2A outflow, 4.0 miles southeast of Randville, MI.	1.00	08-30-76	0.07
04065576	Mounty's Creek	Pine Creek	Lat 45°57'09", long 87°59'52", in SW1/4 NE1/4 sec.13, T.41 N., R.30 W., Dickinson County, below Pond 2A outflow, 4.0 miles southeast of Randville, MI.	---	08-30-76	0.58

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04065580	Mounty's Creek	Pine Creek	Lat 45°56'41", long 87°59'23", in SW1/4 SW1/4 sec.18, T.41 N., R.29 W., Dickinson County, 400 feet upstream of mouth, 3.6 miles northeast of Merriman, MI.	2.96	12-30-70	1.40
					03-04-71	2.75
					05-04-71	3.64
					08-05-71	0.05
					09-07-71	0.08
					10-15-71	1.49
					01-11-72	0.97
					02-01-72	0.85
					03-15-72	1.28
					04-21-72	23.8
					04-26-72	17.6
					05-17-72	3.48
					06-23-72	0.33
					07-06-72	0.11
					09-08-72	2.43
					11-13-72	5.68
					01-09-73	1.36
					03-21-73	10.7
					05-16-73	7.69
					07-10-73	1.71
					10-18-73	0.32
					02-07-74	0.43
					05-09-74	0.82
					09-05-74	0.07
					11-19-74	1.49
					03-18-75	0.73
					05-14-75	3.54
					08-30-75	0.69
					11-04-75	0.97
					03-22-76	15.3
					08-24-76	1.04
					05-13-77	0.79
					09-20-77	11.5
					10-27-77	5.88
					03-02-78	2.92
					08-10-78	3.51
					09-12-78	8.85
					03-13-79	6.06
					05-09-79	45.9
					07-17-79	4.05
					09-19-79	3.77
					01-02-80	11.3
					03-20-80	6.96
					06-20-80	4.78
					10-29-80	6.68
					05-14-81	10.3
					05-28-81	8.08
					09-03-81	4.46
04065590	Steel Creek	Pine Creek	Lat 45°56'31", long 87°59'33", in NE1/4 NE1/4 sec.24, T.41 N., R.30 W., Dickinson County, 200 feet upstream of mouth, 3.6 miles northeast of Merriman, MI.	3.52	12-30-70	2.15
					03-04-71	2.93
					05-04-71	4.06
					08-05-71	0.85
					10-15-71	2.08
					01-11-72	2.07
					02-01-72	1.22
					04-21-72	60.4
					04-26-72	24.7
					05-17-72	3.47
					06-23-72	1.35
					07-06-72	0.93
					09-08-72	1.88
					11-13-72	3.48
					01-09-73	2.48
					03-21-73	9.53
					05-16-73	5.47
					07-10-73	2.27
					10-18-73	1.81
					02-07-74	1.14
					05-09-74	2.54
					09-05-74	0.82
					11-19-74	2.06
					03-18-75	1.32
					05-14-75	3.66
					11-04-75	1.47
					03-22-76	6.00
					08-24-76	0.81
					05-13-77	1.41
					09-20-77	7.47

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	 Discharge (ft³/s)
04065590	Steel Creek	Pine Creek	Continued		10-27-77	1.44
					03-02-78	1.25
					09-12-78	1.20
					03-13-79	1.26
					05-09-79	14.5
					07-17-79	0.94
					09-19-79	1.11
					01-02-80	1.23
					03-20-80	2.27
					06-20-80	1.45
					10-29-80	2.04
					05-28-81	3.02
					09-03-81	1.23
04065600	Pine Creek	Sturgeon River	Lat 45°55'51", long 87°58'18", in SE1/4 SE1/4 sec.19, T.41 N., R.29 W., Dickinson County, at county road, 9.0 miles northeast of Iron Mountain, MI.	16.8	09-20-50	3.58
					04-14-71	114
					04-22-71	62.7
					05-05-71	25.7
					06-04-71	9.53
					08-05-71	5.01
					09-07-71	7.87
04065620	Unnamed tributary	Pine Creek	Lat 45°51'17", long 87°57'39", in SW1/4 SW1/4 sec.13, T.40 N., R.30 W., Dickinson County, 3.8 miles northeast of Quinnesec, MI.	---	07-01-82	0.22
04065630	Pine Creek	Sturgeon River	Lat 45°49'38", long 87°53'50", in SW1/4 sec.28, T.40 N., R.29 W., Dickinson County, at county road, 3.0 miles north of Norway, MI.	54.0	03-15-72	23.9
					08-05-75	5.85
					07-29-76	11.8
04065650	Sturgeon River	Menominee River	Lat 45°46'39", long 87°49'39", in NW1/4 sec.13, T.39 N., R.29 W., Dickinson County, at U.S. Hwy. 2, at Loretto, MI.	---	07-25-67	73.6
04065700	Hamilton Creek	Menominee River	Lat 45°44'51", long 87°49'00", in NW1/4 sec.30, T.39 N., R.28 W., Dickinson County, at Lake Mary outlet, 2.0 miles south of Loretto, MI.	15.0	05-11-64	23.9
					08-05-64	17.5
					10-01-64	14.3
					03-22-65	3.93
					07-22-65	2.40
					11-04-65	4.11
					07-12-66	2.88
					09-12-66	2.12
					11-16-66	4.04
					01-13-67	4.34
					05-18-67	15.2
					08-01-67	1.97
					10-03-67	3.62
					01-05-68	3.17
					07-15-68	13.6
					10-21-68	7.95
					12-30-68	9.53
					05-12-69	17.9
					07-10-69	10.8
					10-30-69	7.49
					03-27-70	8.87
					05-28-70	15.8
					08-27-70	1.16
					02-04-71	6.13
					05-03-71	18.0
					07-02-71	8.46
					01-10-72	6.30
					06-07-72	18.2
					08-26-76	0.00
04066615	Little Shakey Creek	Shakey River	Lat 45°27'18", long 87°45'10", in NE1/4 SW1/4 sec.03, T.35 N., R.28 W., Menominee County, at bridge 200 feet downstream of Lake Ann, 7.0 miles west of Daggett, MI.	13.8	10-26-72	12.2
					01-17-73	6.68
					04-18-73	64.8
					08-29-73	9.27
					10-02-73	9.39
					02-12-74	5.17
					05-15-74	31.5
					07-16-74	10.4

Table 2.--Discharge measurements of Upper Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04066615	Little Shakey Creek	Shakey River	Continued		10-25-74	8.46
					01-20-75	6.70
					06-25-75	10.7
					08-22-75	2.01
					10-01-75	3.48
					03-10-76	4.24
					04-16-76	37.8
					07-30-76	2.01
					10-13-76	1.68
					05-12-77	8.13
					06-23-77	3.14
04067050	Little Cedar River	Menominee River	Lat 45°42'25", long 87°36'36", in NW1/4 NW1/4 sec.11, T.38 N., R.27 W., Menominee County, at Chicago and Northwestern Railway spur line, at Hermansville, MI.	12.0	08-28-70	0.84
04067100	Little Cedar River	Menominee River	Lat 45°24'54", long 87°36'28", in SE1/4 NW1/4 sec.23, T.35 N., R.27 W., Menominee County, at Mill St., at Stephenson, MI.	180	11-24-58	90.2
					06-29-59	17.4
					08-09-63	3.31
					09-13-67	6.98
					08-28-69	4.03
					08-21-70	4.78
					04-21-75	1260
04067110	Little Cedar River	Menominee River	Lat 45°22'38", long 87°36'57", in SW1/4 sec.35, T.35 N., R.27 W., Menominee County, at county road. at Ingalls, MI.	---	07-25-67	12.3
04067600	Little River	Menominee River	Lat 45°08'43", long 87°39'56", in SW1/4 sec.20, T.32 N., R.27 W., Menominee County, 3.3 miles northwest of Menominee, MI.	60.0	07-25-67	14.1
					08-27-70	0.00
					08-12-75	0.00
					07-30-76	0.00

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04095500	Galien River	Lake Michigan	Lat 41°51'23", long 86°32'48", in SW1/4 sec.17, T.07 S., R.19 W., Berrien County, at Kaiser Rd., 1.2 miles south of New Troy, MI.	---	10-17-63	14.0
04096010	Galien River	Lake Michigan	Lat 41°52'25", long 86°33'18", in SE1/4 sec.07, T.07 S., R.19 W., Berrien County, at Avery Rd., 0.3 mile west of New Troy, MI.	---	10-17-63	18.5
04096013	Kirktown Creek	Galien River	Lat 41°53'10", long 86°30'50", in SW1/4 sec.06, T.07 S., R.19 W., Berrien County, at Sawyer Rd., 1.5 miles east of Sawyer, MI.	---	10-23-69	0.36
					11-21-69	2.01
					12-15-69	0.46
					01-08-70	0.23
					01-30-70	9.62
					03-05-70	3.62
					03-19-70	0.86
					04-10-70	1.61
					05-12-70	1.48
					06-11-70	0.31
					07-23-70	0.08
					08-19-70	0.06
					09-30-70	0.31
					12-22-70	1.04
04096015	Galien River	Lake Michigan	Lat 41°52'25", long 86°34'30", in SE1/4 sec.12, T.07 S., R.20 W., Berrien County, at Minnich Rd., 1.3 miles southeast of Sawyer, MI.	---	10-23-69	43.6
					11-21-69	98.2
					12-15-69	50.9
					01-08-70	43.8
					03-05-70	277
					03-19-70	64.6
					04-10-70	279
					05-12-70	61.8
					06-11-70	43.2
					07-23-70	83.8
					08-19-70	33.5
					09-30-70	44.4
					12-22-70	69.0

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04096135	Unnamed tributary	Lake Michigan	Lat 41°52'45", long 86°37'57", in NE1/4 sec.09, T.07 S., R.20 W., Berrien County, at Birchwood, MI.	---	10-22-69	0.95
					11-20-69	2.69
					12-15-69	1.23
					01-08-70	0.79
					01-30-70	6.33
					03-05-70	4.24
					03-19-70	1.69
					04-10-70	3.52
					05-12-70	3.69
					06-11-70	0.75
					07-22-70	0.45
					08-19-70	0.44
					09-30-70	0.90
					12-22-70	1.82
04096150	Unnamed tributary	Lake Michigan	Lat 41°52'40", long 86°36'55", in SE1/4 sec.03, T.06 S., R.20 W., Berrien County, at Shorewood Hills subdivision, 1.0 mile west of Sawyer, MI.	0.90	04-07-69	1.99
					05-26-69	0.78
					06-20-69	0.40
					06-30-69	0.54
					10-22-69	0.62
					11-20-69	3.03
					04-09-70	2.10
					05-12-70	1.79
					06-11-70	0.36
					07-22-70	0.10
					08-19-70	0.17
					09-30-70	0.36
					12-23-70	1.37
04096160	Painterville Drain	Lake Michigan	Lat 41°55'15", long 86°34'40", in NW1/4 sec.36, T.06 S., R.20 W., Berrien County, 300 feet south of Hildebrandt Rd., 2.5 miles north of Sawyer, MI.	3.00	05-26-69	0.18
					06-20-69	0.15
					06-30-69	0.16
					10-22-69	0.40
					11-20-69	1.93
					04-09-70	1.33
					05-12-70	0.91
					06-11-70	0.17
					07-22-70	0.14
					08-19-70	0.30
					09-30-70	0.33
					12-22-70	0.96
04096170	Painterville Drain	Lake Michigan	Lat 41°54'45", long 86°35'05", in NW1/4 sec.36, T.06 S., R.20 W., Berrien County, at Hildebrandt Rd., 2.0 miles north of Sawyer, MI.	---	10-23-69	0.49
					11-20-69	2.22
					12-15-69	0.68
					01-08-70	0.24
					01-30-70	6.53
					03-05-70	3.34
					03-19-70	0.88
					04-09-70	2.77
					05-12-70	1.51
					06-11-70	0.37
					07-22-70	0.17
					08-20-70	0.39
					09-30-70	0.42
04096180	Painterville Drain	Lake Michigan	Lat 41°54'05", long 86°36'35", in SW1/4 sec.35, T.06 S., R.20 W., Berrien County, 450 feet upstream of mouth, 1.3 miles northwest of Sawyer, MI.	5.00	04-07-69	6.56
					05-26-69	1.85
					06-20-69	1.03
					06-30-69	1.48
					10-22-69	1.40
					11-20-69	6.00
					03-05-70	7.39
					04-09-70	7.06
					05-12-70	2.54
					06-11-70	0.66
					07-22-70	0.29
					08-19-70	0.74
					12-22-70	0.73
04096190	Unnamed tributary	Lake Michigan	Lat 41°56'45", long 86°33'35", in SE1/4 SW1/4 sec.18, T.06 S., R.19 W., Berrien County, 0.1 mile north of Shawnee Rd., at old U.S. Hwy. 31, at Bridgman, MI.	---	10-22-69	0.28
					11-21-69	0.84
					12-15-69	0.40
					01-30-70	1.11
					03-05-70	0.97
					03-19-70	0.48
					04-10-70	0.92
					05-12-70	0.90
					06-11-70	0.20
					07-22-70	0.14
					08-19-70	0.90
					09-30-70	0.24
					12-23-70	0.64
04096205	Baw Beese Lake Inlet	St. Joseph River	Lat 41°53'17", long 84°35'38", in NE1/4 SE1/4 sec.01, T.07 S., R.03 W., Hillsdale County, at State Hwy. M-99, between Third and Fourth Lakes, 1.5 miles southeast of Hillsdale, MI.	2.69	06-16-75	3.45

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04096207	Baw Beese Lake Outlet	St. Joseph River	Lat 41°54'18", long 84°37'01", in NE1/4 SE1/4 sec.35, T.06 S., R.03 W., Hillsdale County, at Lakeview Rd., at Hillsdale, MI.	5.10	06-04-74	12.0
					09-11-74	0.10
					10-22-74	0.10
					01-06-75	10.2
					01-24-75	9.00
					02-11-75	8.76
					03-03-75	9.44
					03-12-75	8.28
					04-08-75	10.5
					04-25-75	10.0
					05-08-75	11.0
					05-21-75	10.3
					06-04-75	11.0
					12-05-75	14.4
					02-17-76	16.2
					03-23-76	21.4
					04-29-76	10.2
					03-15-77	14.7
04096209	Baw Beese Lake Outlet	St. Joseph River	Lat 41°54'23", long 84°37'21", in SW1/4 NE1/4 sec.35, T.06 S., R.03 W., Hillsdale County, at Griswold Rd., at Hillsdale, MI.	5.33	06-04-74	12.0
					02-12-76	74.1
04096210	King Lake Inlet	St. Joseph River	Lat 41°53'48", long 84°39'04", in NE1/4 NE1/4 sec.04, T.07 S., R.03 W., Hillsdale County, at Cambria Rd., 1.0 mile southwest of Hillsdale, MI.	0.53	06-04-74	0.24
					06-16-75	1.08
					02-11-76	1.04
04096212	King Lake Outlet	St. Joseph River	Lat 41°54'01", long 84°37'55", in SE1/4 SE1/4 sec.34, T.06 S., R.03 W., Hillsdale County, at State Hwy. M-99, 1.0 mile south of Hillsdale, MI.	3.54	06-04-74	3.11
					08-08-74	0.42
					06-16-75	5.68
					02-11-76	4.69
04096214	King Lake Outlet	St. Joseph River	Lat 41°54'26", long 84°37'28", in NE1/4 NW1/4 sec.35, T.06 S., R.03 W., Hillsdale County, at Steamburg Rd., at Hillsdale, MI.	4.19	07-19-74	0.79
					09-03-74	0.67
					09-11-74	0.40
					10-22-74	0.47
					11-01-74	0.60
					11-11-74	1.22
					12-04-74	1.47
					12-11-74	1.56
					01-06-75	1.63
					01-24-75	2.61
					02-11-75	1.98
					03-03-75	6.44
					03-12-75	7.11
					04-08-75	7.70
					05-08-75	10.0
					06-06-75	7.18
					08-05-75	0.72
					09-22-75	2.02
					11-04-75	1.99
					12-05-75	5.46
					01-20-76	2.66
					02-27-76	11.1
					03-23-76	9.03
					04-29-76	6.38
					06-23-76	1.92
					09-28-76	0.53
					11-23-76	0.56
04096217	St. Joseph River	Lake Michigan	Lat 41°54'58", long 84°37'32", in NE1/4 SW1/4 sec.26, T.06 S., R.03 W., Hillsdale County, at South St., at Hillsdale, MI.	9.96	06-04-74	16.3
					06-16-75	9.25
					02-12-76	16.1
04096218	St. Joseph River	Lake Michigan	Lat 41°55'12", long 84°37'39", in NW1/4 sec.26, T.06 S., R.03 W., Hillsdale County, at Bacon St., at Hillsdale, MI.	---	09-18-79	1.00
04096225	St. Joseph River	Lake Michigan	Lat 41°55'45", long 84°38'22", in SW1/4 SE1/4 sec.22, T.06 S., R.03 W., Hillsdale County, at Fayette St., at Hillsdale, MI.	12.4	06-04-74	18.2
					07-19-74	3.87
					08-08-74	2.69
					08-16-74	2.14
					09-03-74	3.23
					09-11-74	2.14
					10-22-74	1.71
					11-01-74	2.27
					11-11-74	3.08
					12-04-74	3.29
					01-06-75	13.8

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04096225	St. Joseph River	Lake Michigan	Continued		01-09-75	11.8
					01-13-75	20.1
					01-23-75	13.7
					02-11-75	12.2
					02-25-75	30.2
					03-12-75	19.8
					03-27-75	19.3
					04-08-75	22.3
					04-24-75	21.7
					05-07-75	41.9
					06-06-75	20.2
					07-10-75	9.40
					08-05-75	3.02
					09-22-75	5.23
					11-04-75	3.98
					12-05-75	22.9
					02-17-76	60.3
					02-27-76	37.3
					03-04-76	91.0
					03-23-76	33.4
					04-29-76	19.8
					06-23-76	5.78
					09-28-76	3.45
					11-17-76	2.51
					01-05-77	2.30
					02-11-77	5.76
					02-24-77	32.4
04096226	St. Joseph River	Lake Michigan	Lat 41°56'10", long 84°38'50", in SW1/4 NE1/4 sec.22, T.06 S., R.03 W., Hillsdale County, 300 feet upstream of the waste water treatment plant, at Hillsdale, MI.	---	04-20-70	23.3
					04-22-70	24.5
					04-24-70	23.2
					08-22-72	5.49
					07-24-79	1.91
					09-18-79	2.20
04096227	St. Joseph River	Lake Michigan	Lat 41°56'04", long 84°38'26", in SW1/4 NE1/4 sec.22, T.06 S., R.03 W., Hillsdale County, just below waste water treatment plant, at Hillsdale, MI.	13.1	06-05-74	22.2
					06-16-75	17.2
					08-25-77	1.51
04096235	Winona Lake Outlet	St. Joseph River	Lat 41°56'31", long 84°37'54", in SW1/4 sec.14, T.06 S., R.03 W., Hillsdale County, at Hillsdale St., at Hillsdale, MI.	4.75	07-07-71	1.38
					06-05-74	4.48
					06-16-75	2.95
					12-05-75	3.29
					07-24-79	1.69
					09-18-79	2.00
04096240	Beebe Creek	St. Joseph River	Lat 41°56'31", long 84°31'16", in NE1/4 NE1/4 sec.22, T.06 S., R.02 W., Hillsdale County, at Mauck Rd., 2.0 miles south of North Adams, MI.	8.06	06-04-74	2.39
					06-16-75	13.4
					12-10-75	4.61
					02-18-76	52.9
04096245	Beebe Creek	St. Joseph River	Lat 41°56'38", long 84°31'32", in SW1/4 SE1/4 sec.15, T.06 S., R.02 W., Hillsdale County, at Knowles Rd., 2.0 miles south of North Adams, MI.	14.3	06-04-74	5.08
					03-20-75	24.1
					06-16-75	21.5
					12-10-75	11.6
					02-18-76	105
04096250	Beebe Creek	St. Joseph River	Lat 41°56'27", long 84°33'02", in NW1/4 NW1/4 sec.21, T.06 S., R.02 W., Hillsdale County, at State Rd., 4.5 miles west of Hillsdale, MI.	20.2	06-04-74	8.49
					07-19-74	2.41
					08-07-74	2.25
					08-16-74	2.70
					08-30-74	1.99
					09-10-74	1.98
					10-22-74	2.01
					11-01-74	2.58
					11-11-74	2.62
					12-03-74	2.82
					01-08-75	9.07
					01-10-75	61.8
					01-23-75	10.4
					02-18-75	16.7
					03-03-75	31.5
					03-13-75	26.2
					04-07-75	34.9
					04-24-75	46.8
					05-07-75	66.7
					05-22-75	18.4
					06-30-75	25.7
					07-23-75	3.13
					08-20-75	1.53
					09-19-75	3.26
					11-20-75	4.03
					02-17-76	207
					02-19-76	127
					03-04-76	241
					09-23-76	1.30

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04096255	Beebe Creek	St. Joseph River	Lat 41°57'04", long 84°34'26", in SW1/4 NW1/4 sec.17, T.06 S., R.02 W., Hillsdale County, at Lake Pleasant Rd., 3.0 miles northwest of Hillsdale, MI.	24.6	06-05-74	0.40
					07-19-74	4.02
					08-07-74	1.06
					08-30-74	2.07
					10-21-74	5.19
					11-01-74	5.89
					11-12-74	4.69
					12-03-74	4.79
					01-08-75	6.22
					01-09-75	56.4
					01-13-75	76.8
					01-23-75	14.4
					02-18-75	18.5
					03-03-75	33.6
					03-13-75	33.5
					03-26-75	43.0
					04-07-75	40.5
					04-23-75	53.2
					05-07-75	85.0
					05-22-75	25.2
					06-30-75	33.9
					07-23-75	2.22
					08-20-75	2.69
					09-19-75	4.58
					11-20-75	7.06
					02-17-76	231
					02-20-76	119
					03-04-76	273
					09-23-76	1.92
					02-07-77	2.12
					03-30-77	92.5
04096257	Beebe Creek	St. Joseph River	Lat 41°57'44", long 84°35'35", in NW1/4 SW1/4 sec.07, T.06 S., R.02 W., Hillsdale County, at Milnes Rd., 3.5 miles northwest of Hillsdale, MI.	26.9	06-05-74	2.51
					06-16-75	37.2
					02-11-76	16.2
					02-17-76	226
					02-20-76	131
					03-04-76	274
04096260	Unnamed tributary	Beebe Creek	Lat 41°59'02", long 84°33'53", in NW1/4 NE1/4 sec.05, T.06 S., R.02 W., Hillsdale County, at Barker Rd., 5.5 miles northwest of Hillsdale, MI.	3.25	06-04-74	0.00
					06-16-75	0.17
					12-10-75	2.98
04096262	Unnamed tributary	Beebe Creek	Lat 41°58'08", long 84°35'35", in NW1/4 NW1/4 sec.07, T.06 S., R.02 W., Hillsdale County, at Milnes Rd., 4.0 miles northwest of Hillsdale, MI.	7.19	06-04-74	3.07
					06-16-75	10.8
					02-11-76	5.24
					02-17-76	73.4
					02-19-76	37.8
					02-20-76	35.2
					03-04-76	70.8
					03-06-76	50.8
04096264	Unnamed tributary	Unnamed tributary	Lat 41°58'02", long 84°35'35", in NW1/4 sec.07, T.06 S., R.02 W., Hillsdale County, at Milnes Rd., 3.5 miles northwest of Hillsdale, MI.	0.70	06-04-74	0.86
					06-16-75	1.12
					02-12-76	0.83
					02-17-76	4.23
					02-19-76	2.13
					05-10-76	0.91
					12-06-76	0.28
					12-17-76	0.30
					02-24-77	6.30
					03-16-77	0.66
04096265	Half Moon Lake Outlet	Beebe Creek	Lat 41°58'38", long 84°36'40", in NW1/4 SW1/4 sec.01, T.06 S., R.03 W., Hillsdale County, at North Adams Rd., 4.0 miles north of Hillsdale, MI.	0.36	06-04-74	0.01
					06-16-75	1.24
04096267	Unnamed tributary	Beebe Creek	Lat 41°57'49", long 84°35'48", in SE1/4 NE1/4 sec.12, T.06 S., R.03 W., Hillsdale County, at Ball Rd., 3.5 miles northwest of Hillsdale, MI.	10.8	06-05-74	5.12
					07-19-74	1.99
					08-07-74	2.03
					08-30-74	2.16
					09-10-74	2.06
					10-21-74	2.31
					10-31-74	3.21
					11-12-74	3.48
					01-07-75	3.57
					01-09-75	26.9
					01-21-75	4.50
					02-18-75	11.5

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04096267	Unnamed tributary	Beebe Creek	Continued		03-13-75	19.1
					03-26-75	20.3
					04-07-75	19.9
					04-23-75	22.2
					05-07-75	29.8
					05-22-75	16.7
					06-30-75	4.93
					07-23-75	2.25
					08-20-75	2.11
					09-19-75	3.22
					10-22-75	3.76
					04-28-76	16.5
					06-22-76	5.27
					11-04-76	2.36
					03-30-77	34.1
04096272	Beebe Creek	St. Joseph River	Lat 41°57'15", long 84°38'20", in NW1/4 NE1/4 sec.15, T.06 S., R.03 W., Hillsdale County, at Moore Rd., 1.2 miles northwest of Hillsdale, MI.	42.4	07-07-71	7.19
					05-17-74	111
					06-05-74	12.9
					07-18-74	8.38
					08-07-74	6.21
					08-16-74	6.17
					08-29-74	6.16
					09-10-74	5.85
					09-18-79	8.50
04096273	St. Joseph River	Lake Michigan	Lat 41°57'23", long 84°39'31", in SW1/4 SE1/4 sec.09, T.06 S., R.03 W., Hillsdale County, at Moore Rd., 1.2 miles northwest of Hillsdale, MI.	62.4	07-17-67	15.0
					07-07-71	2.43
					07-18-74	20.5
					08-29-74	14.4
					09-11-74	12.6
					10-21-74	19.0
					10-31-74	24.6
					11-12-74	19.4
					12-02-74	20.0
					01-06-75	32.6
					02-11-75	39.6
					03-12-75	72.4
					03-26-75	109
					04-24-75	133
					05-08-75	170
					05-21-75	58.7
					06-27-75	102
					08-05-75	15.2
					11-06-75	24.8
					01-07-76	37.0
					02-19-76	376
					03-03-76	399
					04-05-76	86.7
					05-19-76	60.4
					08-12-76	15.2
					11-01-76	17.8
					03-08-77	136
					07-24-79	14.8
					09-10-79	14.1
04096276	St. Joseph River	Lake Michigan	Lat 41°58'58", long 84°39'52", in NE1/4 NW1/4 sec.04, T.06 S., R.03 W., Hillsdale County, at Chicago St.(U.S. Hwy. 12), at Jonesville, MI.	66.5	06-04-74	59.6
					07-18-74	25.5
					08-06-74	19.6
					08-16-74	18.4
					08-29-74	17.2
					09-09-74	16.6
					10-16-74	30.0
					11-08-74	28.6
					12-02-74	23.0
					01-07-75	29.8
					01-23-75	49.8
					02-14-75	33.9
					03-12-75	77.8
					04-08-75	117
					04-24-75	148
					05-08-75	174
					05-20-75	53.8
					06-10-75	79.4
					06-27-75	126
					08-19-75	20.0
					09-22-75	28.6
					11-06-75	28.8
					01-07-76	44.4
					02-18-76	404
					02-20-76	336

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04096276	St. Joseph River	Lake Michigan	Continued		03-04-76	516
					04-22-76	62.8
					07-14-76	25.7
					08-12-76	18.4
					10-12-76	20.5
					11-01-76	21.4
					02-01-77	13.4
					05-16-77	115
					05-25-77	17.6
					08-25-77	11.4
					07-24-79	18.4
					09-18-79	16.3
04096278	St. Joseph River	Lake Michigan	Lat 41°59'37", long 84°40'20", in SE1/4 NE1/4 sec.32, T.05 S., R.03 W., Hillsdale County, just below sewage treatment plant, at Jonesville, MI.	69.3	06-04-74	62.1
					06-17-75	93.2
04096280	Butternut Creek	St. Joseph River	Lat 41°58'58", long 84°42'35", in NW1/4 NW1/4 sec.06, T.06 S., R.03 W., Hillsdale County, at New York Central R.R., 1.5 miles west of Jonesville, MI.	1.88	05-18-76	1.30
					12-08-76	0.34
					12-16-76	0.30
					02-24-77	9.68
					03-16-77	1.25
					05-24-77	0.26
04096282	St. Joseph River	Lake Michigan	Lat 42°00'54", long 84°43'16", in NE1/4 NW1/4 sec.25, T.05 S., R.04 W., Hillsdale County, at Sterling Rd., 3.5 miles northwest of Jonesville, MI.	78.4	06-04-74	72.7
					06-17-75	105
04096285	St. Joseph River	Lake Michigan	Lat 42°01'58", long 84°44'13", in NW1/4 SE1/4 sec.14, T.05 S., R.04 W., Hillsdale County, at Homer Rd.(M-99), 300 feet below dam, 1.5 miles southwest of Litchfield, MI.	79.8	06-05-74	60.2
					06-17-75	133
R 04096286	St. Joseph River	Lake Michigan	Lat 42°02'37", long 84°45'52", in NW1/4 NW1/4 sec.15, T.05 S., R.04 W., Hillsdale County, at Litchfield Rd., at Litchfield, MI.	81.0	06-04-74	77.8
					07-18-74	32.7
					08-05-74	28.4
					08-15-74	22.8
					08-28-74	21.4
					09-06-74	22.0
					10-16-74	24.0
					10-30-74	32.7
					11-08-74	35.4
					11-27-74	29.0
					12-13-74	34.0
					01-16-75	125
					01-22-75	70.1
					02-13-75	44.3
					02-26-75	261
					03-11-75	95.5
					03-25-75	125
					04-21-75	201
					05-06-75	145
					05-20-75	75.2
					06-09-75	120
					06-17-75	95.7
					06-26-75	136
					08-01-75	25.7
					09-18-75	37.7
					10-15-75	33.2
					11-19-75	40.3
					03-16-76	225
					04-07-76	113
					05-11-76	157
					06-08-76	46.0
					08-10-76	20.0
					09-14-76	16.1
					11-01-76	27.4
					12-10-76	20.7
					04-14-77	76.9
					05-13-77	42.6
R 04096287	Herricksville Drain	St. Joseph River	Lat 42°01'43", long 84°44'53", in NW1/4 sec.23, T.05 S., R.04 W., Hillsdale County, at Ash Rd., 1.0 mile south of Litchfield, MI.	---	10-01-75	0.77
					10-21-75	0.73
					10-29-75	0.65
					11-11-75	0.73
R 04096288	Herricksville Drain	St. Joseph River	Lat 42°01'45", long 84°45'00", in NE1/4 NE1/4 sec.22, T.05 S., R.04 W., Hillsdale County, at Herring Rd., 1.0 mile south of Litchfield, MI.	---	09-24-75	0.50
					10-01-75	0.40
					10-21-75	0.28
					10-29-75	0.26
					11-11-75	0.28

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04096293	South Sand Lake Outlet	Middle Sand Lake	Lat 41°55'52", long 84°41'56", in SW1/4 NE1/4 sec.30, T.06 S., R.03 W., Hillsdale County, at Bacon Rd., 3.0 miles west of Hillsdale, MI.	3.33	06-05-74	5.04
					06-17-75	5.49
					12-09-75	4.73
04096298	Unnamed tributary	Sand Creek	Lat 41°55'58", long 84°41'42", in NE1/4 SE1/4 sec.19, T.06 S., R.03 W., Hillsdale County, at Mechanic Rd., below small lake outlets, 3.0 miles west of Hillsdale, MI.	3.32	06-05-74	1.92
					06-17-75	3.71
					12-09-75	2.73
04096299	Middle Sand Lake Outlet	Sand Creek	Lat 41°56'34", long 84°42'06", in NE1/4 SW1/4 sec.19, T.06 S., R.03 W., Hillsdale County, at Mechanic Rd., 3.5 miles west of Hillsdale, MI.	7.68	06-05-74	9.58
					06-17-75	12.8
					12-09-75	8.99
04096300	Sand Creek	St. Joseph River	Lat 41°55'21", long 84°41'55", in SW1/4 SW1/4 sec.18, T.06 S., R.03 W., Hillsdale County, at Sand Lake Rd., 4.0 miles northwest of Hillsdale, MI.	9.44	06-04-74	14.0
					07-18-74	5.50
					08-06-74	4.26
					08-29-74	3.18
					09-09-74	3.00
					10-16-74	3.77
					10-31-74	4.17
					11-08-74	6.42
					11-27-74	4.82
					12-11-74	5.31
					01-08-75	5.74
					01-09-75	5.87
					01-22-75	7.79
					02-18-75	7.14
					02-25-75	16.3
					03-11-75	11.5
					03-25-75	13.2
					04-22-75	17.5
					05-06-75	19.7
					05-20-75	13.5
					06-06-75	21.4
					06-27-75	18.4
					08-05-75	7.65
					09-19-75	11.2
					11-06-75	8.75
					01-07-76	10.2
					03-25-76	25.9
					04-23-76	14.7
					05-19-76	16.4
					08-12-76	5.08
					10-12-76	6.41
					11-23-76	4.19
					01-20-77	3.16
					03-31-77	17.5
					05-25-77	5.52
R 04096304	Sand Creek	St. Joseph River	Lat 41°57'47", long 84°44'20", in NW1/4 SE1/4 sec.11, T.06 S., R.03 W., Hillsdale County, at Chicago Rd., 1.5 miles east of Allen, MI.	12.2	10-17-63	2.67
					03-20-75	14.6
					06-17-75	26.9
					11-26-75	10.2
					02-20-76	31.8
04096307	Unnamed tributary	Sand Creek	Lat 41°58'51", long 84°44'20", in NW1/4 NE1/4 sec.02, T.06 S., R.04 W., Hillsdale County, at Beulow Rd., 4.0 miles west of Jonesville, MI.	1.94	06-04-74	1.22
					06-17-75	1.83
					11-26-75	0.69
					02-20-76	3.82
04096308	Sand Creek	St. Joseph River	Lat 41°59'08", long 84°45'04", in NE1/4 NE1/4 sec.03, T.06 S., R.04 W., Hillsdale County, at Jonesville Rd., 4.0 miles west of Jonesville, MI.	15.7	06-04-74	22.6
					06-17-75	28.6
					11-26-75	12.3
04096312	Sand Creek	St. Joseph River	Lat 42°01'45", long 84°46'47", in NE1/4 NW1/4 sec.21, T.05 S., R.04 W., Hillsdale County, at Herring Rd., 1.0 mile southwest of Litchfield, MI.	20.6	06-04-74	29.4
					07-18-74	14.7
					08-05-74	11.4
					08-15-74	10.7
					08-28-74	8.89
					09-09-74	8.90

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04096314	Sand Creek	St. Joseph River	Lat 42°03'04", long 84°48'22", in SW1/4 NW1/4 sec.08, T.05 S., R.04 W., Hillsdale County, near Storms Rd., 2.5 miles west of Litchfield, MI.	23.2	07-17-74	16.9
					10-01-74	9.28
					10-08-74	9.38
					10-15-74	10.7
					10-30-74	11.7
					11-07-74	15.1
					11-26-74	13.2
					12-12-74	15.2
					01-20-75	22.0
					02-12-75	17.8
					03-10-75	32.4
					03-24-75	45.8
					04-22-75	44.9
					05-05-75	40.8
					06-09-75	44.4
					07-16-75	22.6
					08-18-75	16.5
					09-17-75	27.7
					03-19-76	60.1
					04-23-76	37.9
					05-18-76	45.3
					08-10-76	9.80
					10-29-76	10.8
					04-11-77	31.9
04096315	St. Joseph River	Lake Michigan	Lat 42°03'34", long 84°48'27", in SE1/4 sec.06, T.05 S., R.04 W., Hillsdale County, at Hadley Rd., 2.0 miles northwest of Litchfield, MI.	---	05-06-77	85.0
04096317	St. Joseph River	Lake Michigan	Lat 42°04'21", long 84°49'50", in SE1/4 SE1/4 sec.36, T.04 S., R.05 W., Calhoun County, at South County Line Rd., 4.0 miles northwest of Litchfield, MI.	112	06-04-74	123
					06-17-75	146
					11-25-75	67.4
					05-06-77	100
04096320	Soap Creek	St. Joseph River	Lat 42°00'32", long 84°47'15", in SW1/4 NW1/4 sec.28, T.05 S., R.04 W., Hillsdale County, at McLain Rd., 4.0 miles southwest of Litchfield, MI.	4.66	06-05-74	3.37
					07-18-74	1.18
					08-06-74	0.26
					09-09-74	0.00
					01-08-75	1.36
					01-09-75	4.82
					01-22-75	1.69
					02-13-75	2.11
					02-26-75	7.68
					03-11-75	4.16
					03-25-75	7.01
					04-22-75	9.22
					05-06-75	25.0
					05-20-75	5.47
					06-26-75	9.73
					08-19-75	0.75
					09-18-75	2.81
					11-19-75	1.34
					02-20-76	12.4
					03-03-76	60.3
					04-07-76	5.32
					07-14-76	0.94
					05-25-77	1.26
04096325	Soap Creek	St. Joseph River	Lat 42°02'36", long 84°50'10", in NW1/4 NE1/4 sec.13, T.05 S., R.05 W., Branch County, at Litchfield Rd., 5.0 miles west of Litchfield, MI.	10.9	06-05-74	14.4
					07-17-74	7.17
					08-05-74	5.47
					08-15-74	5.13
					08-28-74	4.07
					09-06-74	4.23
04096326	Soap Creek	St. Joseph River	Lat 42°04'07", long 84°50'04", in NW1/4 NE1/4 sec.01, T.05 S., R.05 W., Branch County, at Ely Rd., 6.0 miles northwest of Litchfield, MI.	13.1	06-05-74	16.5
					07-17-74	9.12
					08-06-74	6.39
					08-15-74	6.42
					08-27-74	5.02
					09-06-74	4.10
					09-30-74	3.74
					10-08-74	3.34
					10-15-74	3.39
					10-30-74	4.18
					11-07-74	5.26
					11-26-74	4.52
					12-12-74	5.24
					01-20-75	13.4
					02-12-75	9.54
					03-10-75	18.7
					03-24-75	25.0
					04-21-75	80.0
					05-05-75	26.2
					05-19-75	21.5

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04096326	Soap Creek	St. Joseph River	Continued		06-09-75	21.8
					06-17-75	22.7
					06-25-75	20.2
					07-31-75	9.28
					09-17-75	15.0
					11-18-75	9.86
					01-06-76	16.5
					02-05-76	13.1
					02-19-76	228
					02-26-76	172
					03-05-76	411
					04-22-76	19.6
					06-07-76	15.8
					08-09-76	5.56
					09-13-76	4.53
					10-29-76	4.12
					02-02-77	3.02
					04-11-77	17.9
					05-06-77	15.1
04096332	St. Joseph River	Lake Michigan	Lat 42°06'04", long 84°50'38", in NW1/4 NW1/4 sec.25, T.04 S., R.05 W., Calhoun County, at T Dr. South, 3.0 miles southwest of Homer, MI.	---	06-17-75	176
					11-25-75	76.5
					02-19-76	479
					05-09-77	79.1
04096340	St. Joseph River	Lake Michigan	Lat 42°07'51", long 84°51'56", in SW1/4 SW1/4 sec.11, T.04 S., R.05 W., Calhoun County, at 22 Mile Rd., at Clarendon, MI.	---	07-09-63	19.3
					06-04-74	171
					07-17-74	63.7
					08-05-74	55.2
					08-15-74	45.0
					08-27-74	40.1
					09-06-74	39.7
					09-30-74	40.7
04096398	Wilders Lake Outlet	St. Joseph River	Lat 42°05'12", long 85°01'00", in NW1/4 sec.33, T.04 S., R.06 W., Calhoun County, 1,000 feet above St. Joseph River, 3.5 miles east of Burlington, MI.	---	05-29-70	1.71
04096410	Burnett Creek	St. Joseph River	Lat 42°03'29", long 85°05'43", in SW1/4 sec.02, T.05 S., R.07 W., Branch County, at Hayner Rd., 2.2 miles east of Union City, MI.	7.53	07-29-64	0.02
					10-26-64	0.00
04096415	Fisher Creek	Coldwater River	Lat 41°49'58", long 84°50'51", in NE1/4 SE1/4 sec.26, T.07 S., R.05 W., Branch County, at Grove Rd., 1.5 miles southwest of Towns, MI.	4.77	07-28-64	0.71
					10-26-64	0.57
04096420	Fisher Creek	Coldwater River	Lat 41°53'02", long 84°53'08", in SE1/4 SE1/4 sec.04, T.07 S., R.05 W., Branch County, at Fisher Rd., 4.2 miles south of Quincy, MI.	16.8	02-06-64	1.44
					04-15-64	5.19
					06-02-64	2.56
					07-13-64	1.78
					07-29-64	1.17
					09-14-64	0.92
					10-26-64	1.53
					02-18-65	10.6
					04-26-65	29.1
					07-28-65	1.78
					10-28-65	4.96
04096424	Talahassee Drain	Coldwater River	Lat 41°48'16", long 84°53'02", in SE1/4 NE1/4 sec.04, T.08 S., R.05 W., Branch County, at Ray-Quincy Rd., 0.5 mile north of California, MI.	6.47	07-28-64	0.22
					10-27-64	0.18
04096427	Talahassee Drain	Coldwater River	Lat 41°48'39", long 84°55'08", in SW1/4 SW1/4 sec.32, T.07 S., R.05 W., Branch County, at Brown Rd., 2.0 miles northwest of California, MI.	13.4	07-28-64	0.74
					10-27-64	0.81
04096430	Talahassee Drain	Coldwater River	Lat 41°51'04", long 84°56'35", in NE1/4 NE1/4 sec.24, T.07 S., R.06 W., Branch County, at Talahassee Rd., 1.5 miles northwest of Lester, MI.	22.7	07-28-64	1.70
					10-27-64	1.68

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04096440	Coldwater River	St. Joseph River	Lat 41°50'25", long 85°00'03", in NE1/4 NE1/4 sec.28, T.07 S., R.06 W., Branch County, at Lake Dr. Rd., 3.0 miles north of Kinderhook, MI.	82.8	08-22-44	3.18
					02-06-64	8.84
					04-15-64	3.60
					06-03-64	0.02
					07-28-64	0.32
					09-14-64	0.06
					10-27-64	0.10
					02-18-65	37.5
					04-26-65	75.6
					07-28-65	0.42
					10-28-65	1.31
04096450	Coldwater River	St. Joseph River	Lat 41°52'13", long 85°01'11", in SW1/4 SW1/4 sec.09, T.07 S., R.06 W., Branch County, at Fillmore Rd., 1.8 miles southeast of Lockwood, MI.	88.8	07-28-64	0.28
					10-27-64	0.29
04096452	Lake of the Woods Outlet	Coldwater River	Lat 41°51'27", long 85°02'26", in SE1/4 sec.18, T.07 S., R.06 W., Branch County, 6.0 miles southwest of Coldwater, MI.	---	04-10-46	6.64
					05-15-46	2.24
					01-24-47	3.58
					04-16-47	36.4
					05-05-47	38.5
					09-19-47	1.76
					11-17-47	1.43
					01-06-48	8.62
					05-04-48	16.6
					10-14-48	1.43
					11-23-48	9.28
					03-18-49	13.5
					04-25-51	90.8
					04-26-51	94.7
					04-28-51	65.1
					06-16-51	0.00
04096455	Byers Lake Outlet	Coldwater River	Lat 41°52'08", long 85°02'15", in NW1/4 sec.17, T.07 S., R.06 W., Branch County, at Central Rd., 1.2 miles southeast of Lockwood, MI.	15.1	07-13-64	1.84
					07-28-64	0.00
					10-26-64	0.01
R 04096456	Coldwater River	St. Joseph River	Lat 41°53'02", long 85°02'33", in NW1/4 NE1/4 sec.07, T.07 S., R.06 W., Branch County, 4.0 miles southwest of Coldwater, MI.	---	04-25-51	362
04096460	Coldwater River	St. Joseph River	Lat 41°55'37", long 85°02'54", in NE1/4 sec.30, T.06 S., R.06 W., Branch County, at Garfield Rd., 2.6 miles southwest of Coldwater, MI.	114	02-06-64	13.2
					04-16-64	21.1
					06-02-64	4.62
					07-13-64	5.18
					07-29-64	1.96
					09-14-64	0.65
					10-26-64	0.78
					02-18-65	71.8
					04-26-65	164
					07-27-65	2.79
					10-28-65	26.6
04096480	Sauk River	Coldwater River	Lat 41°55'27", long 84°54'46", in NW1/4 sec.29, T.06 S., R.05 W., Branch County, at Ridge Rd., 2.0 miles southwest of Quincy, MI.	---	04-15-64	14.2
					06-02-64	0.61
					07-13-64	1.90
					07-29-64	1.09
					09-14-64	0.38
					10-26-64	0.25
					02-18-65	52.6
					04-26-65	88.7
					07-27-65	8.10
					10-28-65	8.94
04096485	Sauk River	Coldwater River	Lat 41°56'19", long 84°55'55", in NE1/4 NW1/4 sec.19, T.06 S., R.05 W., Branch County, at Fremont Rd., 2.5 miles east of Coldwater, MI.	---	06-12-73	76.9
04096494	Sauk River	Coldwater River	Lat 41°55'28", long 84°58'16", in NE1/4 NW1/4 sec.26, T.06 S., R.06 W., Branch County, at Willowbrook Rd., 1.0 mile southeast of Coldwater, MI.	---	06-14-73	83.6
04096495	Sauk River	Coldwater River	Lat 41°55'26", long 84°58'33", in NW1/4 sec.26, T.06 S., R.06 W., Branch County, at Michigan Rd., at Coldwater, MI.	---	03-16-66	53.3

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04096497	Sauk River	Coldwater River	Lat 41°55'48", long 84°59'56", in SW1/4 sec.22, T.06 S., R.06 W., Branch County, at Jefferson St., at Coldwater, MI.	---	03-16-66	54.8
04096500	Sauk River	Coldwater River	Lat 41°56'24", long 85°00'55", in NW1/4 sec.21, T.06 S., R.06 W., Branch County, at Jay St., at Coldwater, MI.	16.3	04-16-64	12.3
					06-03-64	3.03
					07-13-64	1.35
					07-29-64	0.50
					09-14-64	0.33
					10-26-64	0.28
					02-18-65	65.4
					04-26-65	127
					07-27-65	7.09
					10-28-65	10.5
04096510	Cold Creek	Coldwater River	Lat 41°58'47", long 84°58'53", in SW1/4 NW1/4 sec.02, T.06 S., R.06 W., Branch County, at Michigan Rd., 3.0 miles north of Coldwater, MI.	14.4	07-13-64	0.24
					07-29-64	0.08
					10-26-64	0.01
					03-16-65	12.6
					04-26-65	25.6
04096515	Hog Creek	Coldwater River	Lat 41°56'55", long 84°49'39", in NE1/4 SE1/4 sec.13, T.06 S., R.05 W., Branch County, at U.S. Hwy. 12, 3.0 miles east of Quincy, MI.	48.7	07-13-64	2.38
					07-29-64	1.13
					10-27-64	2.36
04096516	Hog Creek	Coldwater River	Lat 41°57'31", long 84°49'53", in SW1/4 SE1/4 sec.12, T.06 S., R.05 W., Branch County, just downstream of N.Y. Central R.R., 2.8 miles northeast of Quincy, MI.	---	10-14-69	27.1
04096517	Unnamed tributary	Hog Creek	Lat 41°57'33", long 84°49'33", in SW1/4 SW1/4 sec.07, T.06 S., R.04 W., Hillsdale County, at Squires Rd., 0.3 miles upstream of mouth, 3.0 miles west of Allen.	2.61	05-02-69	3.31
					01-14-70	0.00
					01-20-70	0.00
					03-16-70	0.47
					04-06-70	4.08
					05-05-70	1.59
					06-01-70	1.12
					07-09-70	0.32
					08-03-70	0.94
					09-08-70	0.00
					11-10-70	1.52
					12-10-70	1.18
					01-04-71	1.58
					03-19-71	3.12
					04-05-71	1.77
					06-07-71	12.9
					07-15-71	0.00
					08-24-71	0.00
					09-07-71	0.00
					10-04-71	0.00
					11-04-71	0.02
					12-01-71	0.02
					02-22-72	0.56
					06-08-72	0.19
					07-05-72	0.00
					07-10-73	0.34
					09-10-73	0.00
					06-11-74	0.69
					07-12-74	0.39
					08-27-74	0.41
					09-24-74	0.52
					11-01-74	0.21
					12-20-74	0.25
					08-08-75	0.48
					09-24-75	0.28
					11-28-75	0.61
					05-28-76	1.13
					08-13-76	1.39
					09-20-76	1.39
					11-26-76	1.44
					05-27-77	1.24
					08-03-77	1.53
					09-08-77	1.16
					02-28-78	0.89
					05-03-78	1.81
					08-16-78	1.17
					09-28-78	0.86
					07-07-79	1.64
					07-10-79	1.70
					07-26-79	1.76
					10-05-79	1.78
					05-14-80	5.60
					06-25-80	1.56

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04096517	Unnamed tributary	Hog Creek	Continued		07-30-80	1.83
					09-03-80	8.02
					10-09-80	1.55
					11-18-80	3.40
					06-11-81	2.64
					08-18-81	3.97
					12-08-81	6.04
					05-18-82	1.15
					06-22-82	1.45
					08-03-82	0.90
					10-26-82	0.84
					05-24-83	3.34
					07-05-83	1.01
					08-16-83	0.90
					11-08-83	0.69
					06-28-84	0.78
					08-07-84	0.95
					09-17-84	0.63
R 04096518	Unnamed tributary	Hog Creek	Lat 41°58'14", long 84°48'37", in NE1/4 NE1/4 sec.07, T.06 S., R.04 W., Hillsdale County, at Van Wert Rd., 2.4 miles northwest of Allen, MI.	0.58	05-02-69	0.83
R 04096519	Unnamed tributary	Hog Creek	Lat 41°57'28", long 84°49'33", in SE1/4 NE1/4 sec.12, T.06 S., R.05 W., Branch County, at Squires Rd., 3.0 miles west of Allen, MI.	1.21	05-02-69	1.77
					03-16-70	0.24
04096520	Hog Creek	Coldwater River	Lat 41°57'44", long 84°50'30", in SW1/4 sec.12, T.06 S., R.05 W., Branch County, at Boone Rd., 2.5 miles northeast of Quincy, MI.	54.6	07-13-64	2.93
					07-29-64	1.27
					10-27-64	2.19
04096525	Hog Creek	Coldwater River	Lat 41°59'40", long 84°52'25", in SW1/4 NE1/4 sec.34, T.05 S., R.05 W., Branch County, at Claendon Rd., 3.5 miles north of Quincy, MI.	65.1	07-13-64	4.37
					07-29-64	0.80
					10-27-64	2.44
04096528	Bagley Drain	Hog Creek	Lat 41°58'14", long 84°53'39", in SE1/4 SW1/4 sec.04, T.06 S., R.05 W., Branch County, at Newton Rd., 1.5 miles north of Quincy, MI.	---	05-10-66	2.60
04096530	Hog Creek	Coldwater River	Lat 42°00'01", long 84°53'38", in NE1/4 sec.33, T.05 S., R.05 W., Branch County, at Bidwell Rd., 4.0 miles north of Quincy, MI.	74.7	02-06-64	7.79
					04-15-64	39.6
					06-02-64	9.34
					07-29-64	0.83
					09-14-64	0.74
					10-26-64	2.75
					02-18-65	66.7
					04-26-65	125
					07-27-65	14.3
					10-28-65	35.6
					05-10-66	60.1
04096540	Hog Creek	Coldwater River	Lat 42°01'45", long 84°58'17", in NE1/4 sec.23, T.05 S., R.06 W., Branch County, at Girard Rd., 1.5 miles east of Girard, MI.	87.2	07-13-64	3.61
					07-28-64	0.00
					10-26-64	1.56
					05-10-66	68.2
04096570	Hog Creek	Coldwater River	Lat 42°02'08", long 85°00'03", in SW1/4 sec.15, T.05 S., R.06 W., Branch County, at U.S. Hwy. 27, 0.3 mile north of Girard, MI.	89.8	07-11-63	1.27
					02-06-64	4.86
					04-15-64	44.3
					06-02-64	9.23
					07-28-64	0.08
					09-14-64	0.00
					10-26-64	0.00
					02-18-65	90.0
					04-26-65	145
					07-27-65	13.5
					10-28-65	40.0
					05-10-66	68.2
04096575	North Branch Hog Creek	Hog Creek	Lat 42°02'08", long 84°57'07", in NW1/4 SE1/4 sec.13, T.05 S., R.06 W., Branch County, at Lyman Rd., 2.5 miles east of Girard, MI.	6.34	07-13-64	1.10
					07-28-64	0.72
					10-26-64	0.29

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04096580	Hog Creek	Coldwater River	Lat 42°02'32", long 85°01'32", in NE1/4 sec.17, T.05 S., R.06 W., Branch County, at Bell Rd., 1.6 miles northwest of Girard, MI.	106	07-28-64 10-27-64	2.16 2.04
04096585	Hog Creek	Coldwater River	Lat 42°02'09", long 85°02'25", in SE1/4 sec.18, T.05 S., R.06 W., Branch County, at River Rd., 1.8 miles northeast of Hodunk, MI.	108	07-28-64 10-27-64	2.18 2.18
04096590	Hog Creek	Coldwater River	Lat 42°01'27", long 85°03'18", in NW1/4 sec.19, T.05 S., R.06 W., Branch County, at Cady Rd., 0.7 mile northeast of Hodunk, MI.	110	07-28-64 10-27-64 04-26-65	3.47 3.13 163
04096620	Unnamed tributary	Coldwater River	Lat 42°01'43", long 85°07'18", in NE1/4 sec.21, T.05 S., R.07 W., Branch County, at Girard Rd., 3.0 miles south of Union City, MI.	1.90	07-28-64 10-26-64	0.02 0.01
04096630	Coldwater River	St. Joseph River	Lat 42°02'35", long 85°06'58", in SW1/4 sec.10, T.05 S., R.07 W., Branch County, at Gower Rd., 2.0 miles southeast of Union City, MI.	---	07-17-67	73.4
04096635	St. Joseph River	Lake Michigan	Lat 42°03'53", long 85°08'21", in SE1/4 sec.05, T.05 S., R.07 W., Branch County, at South Rd., at Union City, MI.	---	07-17-67	160
04096640	Riley Creek	St. Joseph River	Lat 42°02'24", long 85°11'45", in NE1/4 sec.14, T.05 S., R.08 W., Branch County, at Thrams Rd., 3.6 miles southwest of Union City, MI.	9.69	07-28-64 10-26-64	0.13 0.12
04096660	Spencer Creek	St. Joseph River	Lat 42°04'02", long 85°11'46", in NW1/4 sec.01, T.05 S., R.08 W., Branch County, at Fivemile Rd., 3.0 miles west of Union City, MI.	4.02	07-13-64 07-29-64 10-26-64	0.26 0.06 0.02
04096680	Spencer Creek	St. Joseph River	Lat 42°03'37", long 85°13'53", in SW1/4 sec.03, T.05 S., R.08 W., Branch County, at State Hwy. M-60, 5.0 miles west of Union City, MI.	5.83	07-13-64 07-28-64 10-26-64	0.58 0.19 0.14
04096700	Spencer Creek	St. Joseph River	Lat 42°01'53", long 85°14'55", in SW1/4 sec.16, T.05 S., R.08 W., Branch County, at Blossom Rd., 2.2 miles north of Sherwood, MI.	10.2	07-13-64 07-28-64 10-26-64	0.89 0.00 0.62
04096710	Unnamed tributary	St. Joseph River	Lat 41°57'12", long 85°16'59", in NE1/4 sec.18, T.06 S., R.08 W., Branch County, at Ambs Rd., 4.0 miles southwest of Sherwood, MI.	9.34	07-13-64 07-28-64 10-26-64	0.00 0.00 0.00
04096720	Swan Creek	St. Joseph River	Lat 41°55'11", long 85°08'03", in SW1/4 sec.28, T.06 S., R.07 W., Branch County, at Lindley Rd., 2.0 miles west of Batavia, MI.	8.01	02-06-64 04-16-64 06-02-64 07-13-64 07-28-64 09-14-64 10-26-64 02-18-65 04-26-65 07-28-65 10-28-65	0.94 2.35 1.99 1.35 1.01 0.32 0.38 5.35 18.6 1.90 2.33
04096740	Unnamed tributary	Swan Creek	Lat 41°53'30", long 85°09'07", in NW1/4 sec.05, T.07 S., R.07 W., Branch County, at U.S. Hwy. 12, 2.5 miles northeast of Bronson, MI.	33.2	02-06-64 04-16-64 06-02-64 07-13-64 07-28-64 09-14-64 10-26-64 02-18-65 04-26-65 07-28-65 10-28-65	4.59 11.3 4.96 4.90 2.32 2.10 2.60 24.7 85.6 5.36 16.0

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04096745	Swan Creek	St. Joseph River	Lat 41°53'39", long 85°10'33", in NW1/4 sec.06, T.07 S., R.07 W., Branch County, at Parnam Rd., 1.8 miles northeast of Bronson, MI.	45.9	07-13-64	6.16
					07-28-64	13.1
					10-26-64	3.68
04096750	Swan Creek	St. Joseph River	Lat 41°54'32", long 85°11'43", in NW1/4 sec.36, T.06 S., R.08 W., Branch County, at Matteson Lake Rd., 2.3 miles north of Bronson, MI.	51.2	07-13-64	6.54
					07-29-64	2.85
					10-26-64	3.37
04096755	Drain No. 30	Swan Creek	Lat 41°52'50", long 85°11'42", in NE1/4 sec.11, T.07 S., R.08 W., Branch County, at bridge at north limits of Bronson, MI.	---	08-22-55	2.02
04096756	Unnamed tributary	Swan Creek	Lat 41°52'51", long 85°11'41", in NW1/4 sec.02, T.07 S., R.08 W., Branch County, 1.0 mile northwest of Bronson, MI.	---	09-18-79	2.10
04096757	Swan Creek	St. Joseph River	Lat 41°53'45", long 85°13'15", in NE1/4 sec.03, T.07 S., R.08 W., Branch County, at Burr Oak Rd., 2.1 miles northwest of Bronson, MI.	---	07-17-67	15.4
04096760	Swan Creek	St. Joseph River	Lat 41°52'58", long 85°14'01", in NE1/4 sec.09, T.07 S., R.08 W., Branch County, at Prairie River Rd., 1.9 miles northwest of Bronson, MI.	57.4	05-11-39	41.5
					06-26-39	21.8
					04-16-64	21.1
					06-02-64	8.54
					07-13-64	7.42
					07-29-64	3.38
					09-14-64	1.68
					10-27-64	3.89
					02-18-65	51.2
					04-27-65	123
					07-28-65	9.31
					10-19-65	12.0
04096763	Swan Creek	St. Joseph River	Lat 41°52'02", long 85°16'20", in NW1/4 NW1/4 sec.17, T.07 S., R.08 W., Branch County, at Taggert Rd., 4.0 miles west of Bronson, MI.	---	02-06-64	7.18
04096766	Swan Creek	St. Joseph River	Lat 41°53'03", long 85°19'52", in SE1/4 sec.03, T.07 S., R.09 W., St. Joseph County, at Middle Colon Rd., 2.5 miles north of Burr Oak, MI.	---	07-09-63	5.20
					10-17-63	3.74
04096767	Swan Creek	St. Joseph River	Lat 41°53'30", long 85°21'02", in NE1/4 sec.04, T.07 S., R.09 W., St. Joseph County, at Needham Rd., 4.0 miles northwest of Burr Oak, MI.	---	11-14-81	51.0
					04-24-82	122
					08-28-82	18.0
					07-19-83	22.3
04096770	Little Swan Creek	Swan Creek	Lat 41°57'20", long 85°11'00", in NE1/4 sec.13, T.06 S., R.08 W., Branch County, at Langwell Rd., 1.0 mile north of Matteson, MI.	8.94	07-13-64	0.40
					07-28-64	0.16
					10-27-64	0.00
04096780	Little Swan Creek	Swan Creek	Lat 41°55'46", long 85°14'38", in SE1/4 SW1/4 sec.21, T.06 S., R.08 W., Branch County, at Comm Rd., 2.9 miles southwest of Matteson, MI.	19.4	04-16-64	6.29
					06-02-64	4.42
					07-29-64	0.61
					09-14-64	0.57
					10-26-64	0.56
					02-18-65	22.9
					04-26-65	34.7
					07-28-65	1.65
					10-19-65	1.83
04096790	Little Swan Creek	Swan Creek	Lat 41°55'27", long 85°15'50", in NE1/4 NW1/4 sec.29, T.06 S., R.08 W., Branch County, at Lyter Rd., 4.0 miles west of Matteson, MI.	20.2	07-28-64	2.78
					10-27-64	1.81
04096800	St. Joseph River	Lake Michigan	Lat 41°59'51", long 85°22'34", in NE1/4 sec.32, T.05 S., R.09 W., St. Joseph County, at Bennett Rd., 3.7 miles northwest of Colon, MI.	---	07-17-67	244

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04096830	Nottawa Creek	St. Joseph River	Lat 42°11'07", long 85°01'23", in NE1/4 sec.28, T.03 S., R.07 W., Calhoun County, off end of I. Dr. S., 5.5 miles northwest of Burlington, MI.	---	03-16-49	54.6
					03-16-49	48.8
					06-02-49	34.9
04096860	Nottawa Creek	St. Joseph River	Lat 42°10'40", long 85°07'54", in SW1/4 sec.28, T.03 S., R.07 W., Calhoun County, at J. Dr. S., 5.0 miles northwest of Burlington, MI.	---	03-16-49	52.4
					03-16-49	52.7
					06-02-49	37.4
					06-02-49	38.6
04096875	Nottawa Creek	St. Joseph River	Lat 42°06'57", long 85°10'40", in NE1/4 NE1/4 sec.24, T.04 S., R.08 W., Calhoun County, at Six Mile Rd., 3.0 miles northeast of Athens, MI.	---	07-25-73	54.8
					06-06-74	91.8
					01-07-75	48.0
04096940	Bear Creek	Nottawa Creek	Lat 42°08'52", long 85°18'32", in SW1/4 sec.01, T.04 S., R.09 W., Kalamazoo County, at TU Ave., 3.0 miles northeast of Fulton, MI.	3.10	07-28-64	0.79
					10-19-65	2.27
					05-09-67	8.21
04096950	Bear Creek	Nottawa Creek	Lat 42°04'32", long 85°19'58", in SW1/4 sec.35, T.04 S., R.09 W., Kalamazoo County, at 44th St., 3.0 miles south of Fulton, MI.	10.3	02-06-64	4.32
					04-16-64	5.48
					06-02-64	1.93
					07-28-64	0.68
					09-15-64	0.62
					02-18-65	10.7
					08-12-65	1.72
					10-19-65	4.51
					05-03-66	26.8
					08-30-66	3.30
					05-09-67	18.3
04097000	St. Joseph River	Lake Michigan	Lat 42°00'18", long 85°26'58", in SW1/4 sec.26, T.05 S., R.10 W., St. Joseph County, at Nottawa Rd., at Mendon, MI.	---	04-28-51	6020
					05-01-51	4430
04097040	Little Portage Creek	St. Joseph River	Lat 42°09'51", long 85°20'18", in NE1/4 sec.34, T.03 S., R.09 W., Kalamazoo County, at TS Ave., 5.0 miles south of Climax, MI.	10.1	02-06-64	0.26
					04-16-64	2.54
					06-02-64	0.49
					07-27-64	0.07
					09-15-64	0.03
					02-18-65	6.86
					08-12-65	0.56
					10-18-65	1.34
					05-04-66	12.2
					08-30-66	1.23
					05-09-67	8.79
04097045	Little Portage Creek	St. Joseph River	Lat 42°07'47", long 85°21'25", in SE1/4 sec.09, T.04 S., R.09 W., Kalamazoo County, at V Ave., 1.0 mile north of Fulton, MI.	14.1	07-28-64	0.02
					10-19-65	2.84
					05-09-67	12.2
04097050	Unnamed tributary	Little Portage Creek	Lat 42°07'47", long 85°21'15", in SE1/4 sec.09, T.04 S., R.09 W., Kalamazoo County, at V Ave., 1.0 mile north of Fulton, MI.	3.57	07-27-64	0.30
					10-19-65	1.50
					05-09-67	2.53
04097060	Little Portage Creek	St. Joseph River	Lat 42°05'19", long 85°23'29", in SW1/4 sec.29, T.04 S., R.09 W., Kalamazoo County, at 38th St., 2.8 miles southwest of Fulton, MI.	27.0	07-27-64	4.21
					10-19-65	7.53
					05-09-67	25.0
04097070	Portage River	St. Joseph River	Lat 42°15'10", long 85°21'23", in NE1/4 sec.33, T.02 S., R.09 W., Kalamazoo County, at MN Ave., 1.4 miles northwest of Climax, MI.	5.04	07-28-64	0.00
					10-18-65	0.00
					05-08-67	0.00

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04097075	Portage River	St. Joseph River	Lat 42°13'42", long 85°24'47", in NW1/4 sec.07, T.03 S., R.09 W., Kalamazoo County, at 36th St., 2.2 miles north of Scotts, MI.	9.76	07-28-64	1.23
					10-18-65	2.16
					05-08-67	6.97
04097080	Portage River	St. Joseph River	Lat 42°13'10", long 85°27'51", in SW1/4 sec.10, T.03 S., R.10 W., Kalamazoo County, at OP Ave., 2.8 miles northwest of Scotts, MI.	16.9	07-28-64	0.70
					10-18-65	2.70
					05-08-67	12.2
04097115	Unnamed tributary	Portage River	Lat 42°10'53", long 85°27'06", in NE1/4 sec.27, T.03 S., R.10 W., Kalamazoo County, at 32nd St., 2.1 miles southwest of Scotts, MI.	8.47	04-16-64	3.35
					06-02-64	2.33
					07-27-64	1.86
					09-15-64	1.90
					02-18-65	5.06
					08-05-65	3.56
					10-18-65	3.20
					05-04-66	10.6
					08-30-66	3.14
					05-08-67	11.4
04097120	Portage River	St. Joseph River	Lat 42°10'20", long 85°28'19", in SE1/4 sec.28, T.03 S., R.10 W., Kalamazoo County, at S Ave., 2.7 miles southwest of Scotts, MI.	32.8	10-17-63	4.38
					04-16-64	13.4
					06-02-64	8.46
					07-27-64	6.39
					09-15-64	4.95
					02-18-65	21.9
					08-05-65	10.0
					10-18-65	11.1
					05-03-66	38.3
					08-30-66	11.6
					05-08-67	40.6
04097130	Dorrance Creek	Portage River	Lat 42°09'53", long 85°25'56", in SW1/4 sec.36, T.03 S., R.10 W., Kalamazoo County, at 34th St., 2.3 miles southwest of Scotts, MI.	13.0	04-16-64	2.70
					06-02-64	0.86
					07-27-64	0.41
					09-15-64	0.28
					02-18-65	5.88
					08-06-65	0.25
					10-18-65	1.64
					05-04-66	7.10
					08-30-66	1.72
					05-08-67	8.02
04097160	Portage River	St. Joseph River	Lat 42°08'38", long 85°27'56", in NW1/4 sec.10, T.04 S., R.10 W., Kalamazoo County, at U Ave., 2.2 miles southwest of McKain Corners, MI.	59.3	07-20-44	20.1
					07-27-64	7.18
					10-19-65	31.9
					05-08-67	77.6
04097170	Portage River	St. Joseph River	Lat 42°06'53", long 85°29'08", in SW1/4 sec.16, T.04 S., R.10 W., Kalamazoo County, at former gaging station on W Ave., 2.4 miles east of Vicksburg, MI.	68.1	03-13-46	136
					04-16-46	52.5
					05-08-46	34.7
					05-15-46	35.7
					06-18-46	36.1
					08-14-46	11.6
					01-09-47	24.7
					04-07-47	355
					05-07-47	104
					10-28-47	27.6
					01-07-48	41.8
					05-27-48	90.2
					08-12-48	46.1
					12-15-48	43.5
					03-22-49	60.1
					06-15-49	59.7
					09-15-49	20.5
					01-18-51	108
					05-03-51	190
					08-15-51	36.9
					07-27-64	7.04
					10-18-65	29.0
					05-08-67	86.8
04097175	Portage River	St. Joseph River	Lat 42°05'07", long 85°29'31", in NE1/4 sec.32, T.04 S., R.10 W., Kalamazoo County, at Y Ave., 2.8 miles southeast of Vicksburg, MI.	70.6	04-16-64	37.3
					07-28-64	6.78
					10-18-65	31.8
					05-09-67	92.7
04097200	Gourdneck Canal	Portage Creek	Lat 42°09'20", long 85°36'48", in NE1/4 sec.05, T.04 S., R.11 W., Kalamazoo County, at former gaging station at Oakland Dr., 3.2 miles southeast of Schoolcraft, MI.	7.29	07-28-64	1.40
					10-19-65	1.70
					05-08-67	5.04

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04097205	Gourdneck Canal	Portage Creek	Lat 42°08'58", long 85°32'24", in SW1/4 sec.01, T.04 S., R.11 W., Kalamazoo County, at 23rd St., 2.0 miles north of Vicksburg, MI.	13.1	10-17-63	6.77
					02-06-64	5.90
					03-03-64	6.58
					04-09-64	14.9
					06-02-64	5.37
					07-28-64	3.36
					09-15-64	4.27
					01-08-65	10.5
					02-19-65	10.7
					03-05-65	20.3
					04-07-65	23.2
					08-05-65	3.88
					10-18-65	7.33
					02-08-66	11.4
					03-15-66	14.3
					04-06-66	15.4
					05-03-66	18.7
					06-14-66	13.4
					07-07-66	6.80
					08-11-66	9.49
					09-08-66	11.2
					10-11-66	8.38
					11-08-66	13.5
					12-06-66	21.8
					01-05-67	13.8
					02-07-67	23.0
					03-17-67	20.4
					04-12-67	29.0
					05-09-67	23.2
					07-11-67	13.9
					08-16-67	10.0
					09-26-67	9.77
					10-05-67	10.8
					11-09-67	15.8
					01-09-68	18.9
					02-14-68	29.6
					03-13-68	22.4
					05-08-68	15.5
					06-04-68	11.5
					07-02-68	15.7
					08-09-68	20.5
					09-06-68	11.1
					10-03-68	12.2
					11-04-68	13.2
					12-19-68	23.8
					01-09-69	16.6
					03-19-69	16.2
					04-07-69	33.6
					05-16-69	21.8
					06-03-69	24.1
04097206	Austin Lake Outlet	Gourdneck Creek	Lat 42°09'59", long 85°32'25", in SE1/4 sec.36, T.03 S., R.11 W., Kalamazoo County, 2.5 miles north of Vicksburg, MI.	---	04-06-47	12.3
					04-27-47	16.6
					05-07-47	22.5
					10-28-47	0.00
					01-07-48	6.45
					05-27-48	19.6
					08-12-48	9.86
					03-22-49	9.27
					06-14-49	6.41
					09-15-49	0.00
					12-15-49	0.00
					01-18-50	5.81
					05-02-50	24.1
					08-15-50	4.08
04097207	Austin Lake Outlet	Gourdneck Creek	Lat 42°09'03", long 85°31'59", in SE1/4 sec.01, T.04 S., R.11 W., Kalamazoo County, at TU Ave., 2.0 miles north of Vicksburg, MI.	14.2	07-28-64	0.44
					10-18-65	0.00
					05-09-67	22.4
04097210	Portage Creek	Portage River	Lat 42°06'52", long 85°32'05", in NE1/4 sec.24, T.04 S., R.11 W., Kalamazoo County, at W Ave., at Vicksburg, MI.	35.2	07-28-64	7.42
					10-18-65	14.7
					05-09-67	67.9
					07-17-67	19.3
04097215	Howard Lake Inlet	Portage River	Lat 42°05'31", long 85°34'47", in NE1/4 SW1/4 sec.27, T.04 S., R.11 W., Kalamazoo County, at XY Ave., 3.0 miles southwest of Vicksburg, MI.	8.01	04-16-64	0.14
					06-02-64	0.10
					07-28-64	0.09
					09-15-64	0.04
					02-19-65	0.23
					08-06-65	0.30
					10-19-65	0.35
					05-03-66	3.52
					08-30-66	0.71
					05-09-67	9.77

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04097220	Portage Creek	Portage River	Lat 42°05'39", long 85°31'47", in NE1/4 sec.25, T.04 S., R.11 W., Kalamazoo County, at 24th St., 1.7 miles south of Vicksburg, MI.	53.9	07-28-64	12.9
					10-19-65	41.4
					05-09-67	87.2
					11-26-74	44.6
					08-25-77	23.0
04097240	Portage Creek	Portage River	Lat 42°04'25", long 85°30'55", in SW1/4 sec.32, T.04 S., R.10 W., Kalamazoo County, at Z Ave., 3.4 miles southeast of Vicksburg, MI.	57.7	07-28-64	17.6
					10-19-65	41.8
					02-08-66	55.3
					03-31-66	61.1
					05-03-66	81.5
					08-30-66	34.0
					05-09-67	96.3
04097260	Bear Creek	Portage River	Lat 42°06'54", long 85°26'23", in NE1/4 sec.23, T.04 S., R.10 W., Kalamazoo County, at W Ave., 4.5 miles east of Vicksburg, MI.	3.80	07-28-64	0.02
					10-19-65	0.50
					05-09-67	2.31
04097280	Unnamed tributary	Bear Creek	Lat 42°06'01", long 85°26'36", in NW1/4 sec.26, T.04 S., R.10 W., Kalamazoo County, at X Ave., 4.5 miles east of Vicksburg, MI.	4.65	07-28-64	0.34
					10-19-65	0.85
					05-09-67	3.37
04097330	Bear Creek	Portage River	Lat 42°04'42", long 85°28'07", in SE1/4 sec.33, T.04 S., R.10 W., Kalamazoo County, at YZ Ave., 4.2 miles southeast of Vicksburg, MI.	13.1	04-16-64	6.30
					06-02-64	2.62
					07-28-64	1.38
					09-15-64	0.46
					02-18-65	11.7
					08-05-65	1.72
					10-19-65	3.37
					05-03-66	27.0
					08-30-66	2.76
					05-09-67	13.0
04097340	Portage River	St. Joseph River	Lat 42°00'52", long 85°32'52", in SE1/4 sec.23, T.05 S., R.11 W., St. Joseph County, at Parkville Rd., at Parkville, MI.	---	07-09-63	29.2
04097343	Portage River	St. Joseph River	Lat 41°58'35", long 85°36'07", in SW1/4 sec.04, T.06 S., R.11 W., St. Joseph County, at South Fisher Lake Rd., 2.3 miles northeast of Three Rivers, MI.	---	04-27-51	823
					05-02-51	687
04097345	Portage River	St. Joseph River	Lat 41°56'49", long 85°37'43", in SE1/4 sec.18, T.06 S., R.11 W., St. Joseph County, at Fifth St., at Three Rivers, MI.	---	09-11-62	259
					07-18-67	262
04097350	Flowerfield Creek	Rocky River	Lat 42°06'45", long 85°44'39", in NW1/4 sec.20, T.04 S., R.12 W., Kalamazoo County. at 2nd St., 5.5 miles west of Schoolcraft, MI.	12.5	07-27-64	0.90
					10-18-65	1.53
					05-09-67	5.92
04097352	Flowerfield Creek	Rocky River	Lat 42°06'01", long 85°43'27", in SW1/4 sec.21, T.04 S., R.12 W., Kalamazoo County, at 4th St., 4.5 miles southwest of Schoolcraft, MI.	17.2	05-09-67	15.3
04097355	Flowerfield Creek	Rocky River	Lat 42°05'33", long 85°42'24", in NE1/4 sec.28, T.04 S., R.12 W., Kalamazoo County, at XY Ave., 4.0 miles southwest of Schoolcraft, MI.	18.9	07-27-64	2.84
					10-19-65	4.27
04097360	Unnamed tributary	Flowerfield Creek	Lat 42°08'34", long 85°41'00", in SW1/4 sec.02, T.04 S., R.12 W., Kalamazoo County, at U Ave., 2.8 miles northwest of Schoolcraft, MI.	6.75	07-27-64	0.00
					10-19-65	0.00
					05-08-67	0.00
04097365	Unnamed tributary	Flowerfield Creek	Lat 42°06'23", long 85°40'14", in NE1/4 sec.23, T.04 S., R.12 W., Kalamazoo County, at WX Ave., 1.9 miles west of Schoolcraft, MI.	11.9	07-27-64	0.00
					10-19-65	0.00
					05-09-67	0.65

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04097370	Flowerfield Creek	Rocky River	Lat 42°03'50", long 85°39'44", in SW1/4 sec.01, T.05 S., R.12 W., St. Joseph County, at Flowerfield Rd., at Flowerfield, MI.	42.6	02-05-64	12.3
					03-03-64	12.9
					04-09-64	18.8
					06-02-64	4.39
					07-28-64	2.40
					09-15-64	1.92
					02-10-65	37.9
					02-19-65	21.5
					04-07-65	35.7
					08-12-65	9.36
					10-18-65	12.6
					05-03-66	40.4
					08-30-66	12.7
					12-07-66	33.9
					03-17-67	45.2
					05-09-67	32.2
					04-30-68	19.2
					03-18-69	18.2
					04-26-69	30.8
					04-18-70	35.6
04097380	Spring Creek	Flowerfield Creek	Lat 42°03'50", long 85°36'25", in NW1/4 sec.04, T.05 S., R.11 W., St. Joseph County, at Muskrat Rd., 2.5 miles east of Flowerfield, MI.	10.9	07-27-64	1.91
					10-18-65	3.43
					05-09-67	7.87
					03-25-77	5.70
04097480	Rocky River	St. Joseph River	Lat 41°59'02", long 85°38'53", in NW1/4 sec.01, T.06 S., R.12 W., St. Joseph County, at Null Rd., 3.0 miles north of Three Rivers, MI.	---	07-10-63	61.0
04097482	Rocky River	St. Joseph River	Lat 41°58'13", long 85°38'57", in SE1/4 sec.01, T.06 S., R.12 W., St. Joseph County, at Cowling Rd., 1.8 miles northwest of Three Rivers, MI.	---	04-28-51	801
					05-02-51	438
04097493	Rocky River	St. Joseph River	Lat 41°57'17", long 85°38'46", in SE1/4 SE1/4 sec.12, T.06 S., R.12 W., St. Joseph County, near U.S. Hwy. 131, 1.0 mile north of Three Rivers, MI.	---	04-27-51	923
					09-16-60	93.9
					09-11-62	135
04097495	Rocky River	St. Joseph River	Lat 41°56'36", long 85°38'03", in SE1/4 sec.18, T.06 S., R.11 W., St. Joseph County, at West Michigan Ave., at Three Rivers, MI.	---	07-18-67	90.0
04097510	Prairie River	St. Joseph River	Lat 41°47'44", long 85°04'58", in NE1/4 sec.11, T.08 S., R.07 W., Branch County, at Block Rd., 0.7 miles north of East Gilead, MI.	8.15	07-28-64	0.29
					10-26-64	0.18
04097522	Lake Pleasant Outlet	Prairie River	Lat 41°47'22", long 85°06'27", in NE1/4 SW1/4 sec.10, T.08 S., R.07 W., Branch County, at Booth Rd., 1.5 miles west of East Gilead, MI.	9.63	07-28-64	1.20
					10-26-64	1.02
04097525	Prairie River	St. Joseph River	Lat 41°48'07", long 85°07'00", in SE1/4 sec.04, T.08 S., R.07 W., Branch County, at Bowers Rd., 2.0 miles east of Gilead, MI.	27.3	07-28-64	3.06
					10-27-64	2.51
04097526	Prairie River	St. Joseph River	Lat 41°49'57", long 85°09'54", in NW1/4 SE1/4 sec.30, T.07 S., R.07 W., Branch County, at Parnam Rd., 2.0 miles north of Gilead, MI.	31.9	07-28-64	4.85
					10-27-64	5.54
04097527	Unnamed tributary	Prairie River	Lat 41°49'32", long 85°10'52", in NE1/4 sec.36, T.07 S., R.08 W., Branch County, at Cranson Rd., 2.0 miles northwest of Gilead, MI.	6.15	07-29-64	0.01
					10-27-64	0.00

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04097528	Prairie River	St. Joseph River	Lat 41°50'22", long 85°11'40", in NW1/4 sec.25, T.07 S., R.08 W., Branch County, at Orland Rd., 2.3 miles south of Bronson, MI.	42.5	07-11-63	6.28
					02-06-64	8.46
					04-16-64	17.6
					06-03-64	9.73
					07-29-64	5.30
					09-14-64	4.34
					10-27-64	5.24
					02-18-65	33.2
					04-26-65	88.6
					07-28-65	6.93
					10-19-65	12.7
04097529	Prairie River	St. Joseph River	Lat 41°49'39", long 85°14'00", in SW1/4 sec.27, T.07 S., R.08 W., Branch County, at Prairie River Rd., 3.9 miles southwest of Bronson, MI.	46.2	07-29-64	6.01
					10-27-64	4.98
04097530	Prairie River	St. Joseph River	Lat 41°50'27", long 85°17'32", in SW1/4 sec.19, T.07 S., R.08 W., Branch County, at St. Joseph Rd., 1.0 mile east of Burr Oak, MI.	63.3	07-29-64	9.78
					10-27-64	8.34
					04-27-65	137
04097537	Perrin Lake Outlet	Prairie River	Lat 41°52'14", long 85°25'34", in SW1/4 sec.12, T.07 S., R.10 W., St. Joseph County, at Perrin Rd.(Banker St.), 5.0 miles north of Sturgis, MI.	2.91	08-22-63	0.22
					10-31-63	0.00
					12-23-63	0.00
					09-02-64	0.00
					12-30-64	0.00
					06-02-65	0.50
					07-29-65	0.13
					08-18-66	0.00
					08-09-67	0.00
					10-02-67	0.00
					04-30-68	0.03
					09-05-68	1.40
					10-09-68	0.81
					04-30-69	3.87
					10-25-69	0.00
					08-31-71	0.00
					11-06-71	0.32
04097630	Prairie River	St. Joseph River	Lat 41°55'22", long 85°32'51", in NE1/4 sec.26, T.06 S., R.11 W., St. Joseph County, at Three Rivers Rd., 1.0 mile west of Centreville, MI.	---	04-28-51	979
					05-02-51	567
					07-10-63	25.6
					07-18-67	74.4
04098400	Fawn River	St. Joseph River	Lat 41°45'52", long 85°22'46", in NW1/4 NE1/4 sec.20, T.08 S., R.09 W., St. Joseph County, at Miller Rd., 3.0 miles southeast of Sturgis, MI.	---	07-09-63	29.8
04098502	Fawn River	St. Joseph River	Lat 41°47'00", long 85°35'02", in SW1/4 sec.10, T.08 S., R.11 W., St. Joseph County, 1.0 mile south of U.S. Hwy. 12, 9.0 miles west of Sturgis, MI.	---	08-22-55	77.4
04098610	Sherman Mill Creek	Fawn River	Lat 41°49'40", long 85°28'42", in SW1/4 sec.28, T.07 S., R.10 W., St. Joseph County, at Sherman Rd., 3.7 miles northwest of Sturgis, MI.	3.62	08-22-63	4.44
					10-31-63	4.44
					12-23-63	4.53
					09-02-64	3.84
					12-30-64	5.24
					05-26-65	5.76
					07-29-65	3.44
					08-18-66	5.27
					08-09-67	5.33
					10-02-67	5.33
					04-30-68	5.73
					09-05-68	7.23
					11-09-68	6.78
					04-30-69	8.22
					10-25-69	7.16
					08-31-71	5.44
					11-06-71	5.92

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04098620	Sherman Mill Creek	Fawn River	Lat 41°49'17", long 85°30'18", in NW1/4 sec.32, T.07 S., R.10 W., St. Joseph County, at Shimmel Rd., 4.8 miles northwest of Sturgis, MI.	5.31	08-22-63	8.81
					10-31-63	9.31
					12-23-63	8.82
					09-02-64	6.51
					12-30-64	10.2
					05-26-65	10.1
					07-29-65	4.81
					08-18-66	14.5
					08-09-67	8.00
					10-02-67	11.4
					04-30-68	10.2
					09-05-68	14.6
					11-09-68	12.5
					04-30-69	15.3
					10-25-69	13.8
					08-31-71	8.45
					11-06-71	9.56
04098630	Sherman Mill Creek	Fawn River	Lat 41°47'52", long 85°32'10", in NW1/4 SE1/4 sec.36, T.07 S., R.11 W., St. Joseph County, at Klinger Lake Rd., 5.7 miles east of White Pigeon, MI.	9.00	08-22-63	9.46
					10-31-63	7.51
					12-23-63	10.1
					09-02-64	6.99
					12-30-64	11.0
					05-26-65	11.8
					07-29-65	6.04
					08-18-66	17.3
					08-09-67	9.67
					10-02-67	14.2
					04-30-68	14.0
					11-09-68	15.4
					04-30-69	19.0
					08-31-71	8.57
					11-06-71	10.2
04098635	Klinger Lake Outlet	Fawn River	Lat 41°48'51", long 85°32'52", in SE1/4 sec.35, T.07 S., R.11 W., St. Joseph County, at Crooked Creek Rd., 5.0 miles east of White Pigeon, MI.	16.7	07-23-41	10.5
					04-10-46	18.6
					05-15-46	14.9
					08-13-46	7.75
					01-09-47	24.6
					04-17-47	44.1
					05-07-47	29.8
					10-28-47	17.0
					01-06-48	28.9
					05-27-48	24.4
					08-12-48	15.0
					12-17-48	24.2
					02-17-49	23.4
					06-16-49	23.3
					10-06-49	26.3
					01-16-50	38.4
					05-17-50	30.4
					07-25-50	31.7
					10-19-50	27.2
					01-10-51	35.5
					05-04-51	36.6
					08-14-51	29.4
					11-14-51	35.2
					02-12-52	35.2
					03-27-52	33.5
					06-12-52	27.3
					08-07-52	19.3
					11-10-52	17.7
					02-05-53	26.1
					04-06-53	23.9
					07-08-53	17.5
					10-05-53	12.4
					01-11-54	15.8
					05-03-54	42.7
					07-14-54	32.0
					10-05-54	24.2
					03-14-55	29.7
					05-09-55	20.7
					08-10-55	15.8
					10-03-55	19.5
					01-11-56	21.0
					04-11-56	27.2
					07-31-56	21.6
					10-02-56	9.10
					03-18-57	20.4

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04098635	Klinger Lake Outlet	Fawn River	Continued		05-16-57	16.0
					07-06-57	7.42
					09-06-57	12.5
					06-03-58	11.8
					07-09-58	17.4
					11-04-58	12.8
					05-19-59	13.7
					08-04-59	20.4
					11-04-59	17.4
					05-09-60	24.4
					08-22-63	13.9
					10-31-63	10.8
					12-23-63	15.5
					09-02-64	0.64
					12-30-64	17.1
					05-26-65	14.4
					07-29-65	6.96
04098640	Fawn River	St. Joseph River	Lat 41°50'08", long 85°36'11", in NW1/4 NW1/4 sec.28, T.07 S., R.11 W., St. Joseph County, at Sevison Rd., 3.5 miles east of Constantine, MI.	---	04-28-51	993
					05-02-51	744
04099100	White Pigeon River	St. Joseph River	Lat 41°47'25", long 85°40'54", in NE1/4 sec.10, T.08 S., R.12 W., St. Joseph County, at Blue School Rd., 2.0 miles west of White Pigeon, MI.	---	08-23-55	193
					09-14-60	186
					10-17-63	83.2
04099110	White Pigeon River	St. Joseph River	Lat 41°46'45", long 85°45'05", in NE1/4 NW1/4 sec.18, T.08 S., R.12 W., St. Joseph County, at Thomas Rd., 1.5 miles south of Mottville, MI.	---	04-26-51	1410
					05-02-51	1300
04099112	White Pigeon River	St. Joseph River	Lat 41°46'12", long 85°46'25", in SE1/4 sec.13, T.08 S., R.13 W., St. Joseph County, at State Hwy. M-103, 2.3 miles southeast of Mottville, MI.	410	07-30-64	113
					08-07-64	84.2
					08-14-64	117
					08-21-64	74.7
					09-01-64	123
					09-08-64	75.1
					09-23-64	126
					12-01-64	178
					07-18-67	185
					10-16-68	206
04099400	Shavehead Lake Outlet	Mud Creek	Lat 41°50'00", long 85°51'55", in NW1/4 sec.30, T.07 S., R.13 W., Cass County, 7.5 miles southeast of Vandalia, MI.	---	09-25-57	6.51
04099600	Christiana Creek	St. Joseph River	Lat 41°49'18", long 86°00'00", in NE1/4 sec.36, T.07 S., R.15 W., Cass County, at Turpin Rd., just above Painter Lake, 2.5 miles north of Adamsville, MI.	---	10-17-63	22.2
04099610	Christiana Creek	St. Joseph River	Lat 41°46'03", long 85°59'56", in NE1/4 sec.24, T.08 S., R.15 W., Cass County, at Redfield Rd., 4.8 miles southeast of Edwardsburg, MI.	---	07-19-67	53.7
04099620	Pleasant Lake Outlet	St. Joseph River	Lat 41°48'15", long 86°05'04", in SW1/4 sec.05, T.08 S., R.15 W., Cass County, at Edwardsburg, MI.	---	03-27-52	1.00
04099625	Pleasant Lake Outlet	St. Joseph River	Lat 41°48'37", long 86°04'10", in NE1/4 sec.05, T.08 S., R.15 W., Cass County, 1.0 mile northeast of Edwardsburg, MI.	---	03-27-52	1.80
04099630	Garver Lake Inlet	St. Joseph River	Lat 41°47'58", long 86°03'18", in SE1/4 sec.04, T.03 S., R.15 W., Cass County, at U.S. Hwy. 12, 1.0 mile east of Edwardsburg, MI.	---	03-27-52	8.20
04099640	Garver Lake Outlet	St. Joseph River	Lat 41°46'25", long 86°03'12", in SE1/4 sec.16, T.08 S., R.15 W., Cass County, 1,000 feet below Garver Lake, 2.0 miles southeast of Edwardsburg, MI.	---	03-27-52	10.0

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
R 04101507	Dowagiac Drain	Dowagiac River	Lat 42°05'10", long 85°58'26", in SW1/4 sec.29, T.04 S., R.14 W., Van Buren County, at 44th St., 1.0 mile south of Decatur, MI.	14.3	04-24-80	27.0
					10-15-80	21.1
					03-26-81	26.0
					04-06-81	20.8
					05-11-81	113
					06-08-81	23.2
					07-06-81	16.7
					08-03-81	21.4
					09-14-81	15.3
					10-28-81	24.8
					11-16-81	19.5
					05-11-82	23.1
					08-10-82	18.9
R 04101514	Dowagiac Drain	Dowagiac River	Lat 42°04'26", long 86°01'51", in SW1/4 sec.35, T.04 S., R.15 W., Van Buren County, at 50th St., 3.7 miles southwest of Decatur, MI.	21.9	09-27-62	17.4
					04-15-63	30.6
					07-08-63	14.8
					10-18-63	15.6
					04-24-80	44.8
					05-05-80	38.0
					06-02-80	38.7
					07-07-80	50.6
					08-04-80	29.8
					09-02-80	32.3
					10-15-80	33.5
					12-01-80	38.9
					01-05-81	35.1
					02-02-81	39.8
					02-18-81	168
					02-21-81	132
					03-02-81	52.1
					03-26-81	36.7
					04-06-81	32.4
					05-11-81	153
					06-08-81	30.8
					07-06-81	30.5
					08-03-81	30.7
					09-14-81	24.0
					10-02-81	90.7
					10-28-81	39.2
					11-16-81	30.8
					12-07-81	45.5
					01-28-82	35.5
					02-16-82	35.4
					03-08-82	32.4
					03-13-82	196
					04-12-82	74.6
					04-19-82	53.8
					05-11-82	33.8
					06-14-82	32.2
					07-20-82	44.8
					08-10-82	25.1
					08-16-82	22.1
R 04101519	Lake of the Woods Drain	Dowagiac River	Lat 42°06'12", long 86°00'24", in SW1/4 sec.24, T.04 S., R.15 W., Van Buren County, at 4750th St., near Decatur, MI.	---	09-03-48	3.84
					01-11-49	5.81
R 04101524	Lake of the Woods Drain	Dowagiac River	Lat 42°05'05", long 86°02'17", in NE1/4 sec.34, T.04 S., R.15 W., Van Buren County, at 92nd Avenue, 3.5 miles southwest of Decatur, MI.	13.1	09-27-62	2.91
					04-15-63	9.85
					07-08-63	3.30
					10-18-63	2.93
					08-24-77	4.66
					04-24-80	18.5
					05-07-80	11.7
					06-02-80	13.6
					07-07-80	20.7
					08-04-80	13.0
					09-02-80	12.9
					10-15-80	9.50
					12-01-80	13.0
					01-05-81	12.4
					02-02-81	14.1
					02-18-81	45.1
					03-02-81	25.4
					04-06-81	11.6
					05-11-81	51.3

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04101524	Lake of the Woods Drain	Dowagiac River	Continued		06-09-81	11.3
					07-06-81	8.11
					08-03-81	10.1
					09-14-81	6.51
					10-02-81	23.4
					10-28-81	12.6
					11-16-81	8.46
					12-07-81	15.7
					02-16-82	11.6
					03-08-82	14.1
					03-13-82	67.5
					04-19-82	24.1
					05-11-82	12.6
					06-14-82	9.71
					07-20-82	16.4
					08-10-82	6.68
					08-16-82	5.49
R 04101530	Osborn Drain	Dowagiac River	Lat 42°04'20", long 86°05'20", in SW1/4 sec.32, T.04 S., R.15 W., Van Buren County, at 56th St., 5.0 miles southeast of Keeler, Mich.	15.5	09-27-62	2.05
					04-15-63	4.90
					07-08-63	1.04
					10-18-63	1.34
					04-24-80	10.0
					05-19-80	11.0
					10-15-80	5.42
					05-12-81	28.6
					07-06-81	6.10
					10-28-81	4.89
					05-11-82	7.88
					08-10-82	6.82
04101535	Dowagiac River	St. Joseph River	Lat 42°01'39", long 86°06'26", in SE1/4 SE1/4 sec.13, T.05 S., R.16 W., Cass County, at State Hwy. M-51, 2.0 miles north of Dowagiac, MI.	---	08-24-77	55.0
04101542	Silver Creek	Dowagiac River	Lat 42°02'03", long 86°07'25", in SW1/4 NW1/4 sec.13, T.05 S., R.16 W., Cass County, at Downey St., 2.7 miles northwest of Dowagiac, MI.	---	08-24-77	2.43
04101548	Indian Lake Outlet	Dowagiac River	Lat 41°59'31", long 86°12'17", in SW1/4 NW1/4 sec.32, T.05 S., R.16 W., Cass County, at Indian Lake Rd., 3.8 miles west of Dowagiac, MI.	---	10-11-79	0.00
04101549	Indian Lake Outlet	Dowagiac River	Lat 41°59'32", long 86°11'41", in SW1/4 NE1/4 sec.32, T.05 S., R.16 W., Cass County, at Sink Rd., 3.4 miles west of Dowagiac, MI.	---	10-11-79	0.31
R 04101552	Dowagiac River	St. Joseph River	Lat 41°59'03", long 86°09'59", in SE1/4 sec.33, T.05 S., R.16 W., Cass County, at State Hwy. M-62, 3.0 miles west of Dowagiac, MI.	118	07-10-63	63.9
					10-18-63	26.2
R 04101563	Little Cedar Lake Outlet	Dowagiac Creek	Lat 42°04'38", long 85°50'38", in NE1/4 sec.32, T.04 S., R.13 W., Van Buren County, 5.5 miles south of Lawton, MI.	---	07-09-52	0.90
R 04101570	Gravel Lake Outlet	Dowagiac Creek	Lat 42°04'16", long 85°51'11", in SE1/4 sec.31, T.04 S., R.13 W., Van Buren County, 6.0 miles south of Lawton, MI.	---	07-09-52	3.70
R 04101580	Fish Lake Chain Outlet	Dowagiac Creek	Lat 42°02'41", long 85°53'53", in SE1/4 sec.11, T.05 S., R.14 W., Cass County, at Lawrence Rd., at Nicholsville, MI.	---	10-26-45	4.71
04101590	Dowagiac Creek	Dowagiac River	Lat 41°59'01", long 86°00'10", in NE1/4 NW1/4 sec.01, T.06 S., R.15 W., Cass County, at Dutch Settlement Rd., 3.5 miles east of Dowagiac, MI.	---	08-24-77	22.6

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	 Discharge (ft³/s)
R 04101600	Dowagiac Creek	Dowagiac River	Lat 41°58'39", long 86°06'29", in SW1/4 NW1/4 sec.06, T.06 S., R.15 W., Cass County, at Wilbur Hill Rd., at Dowagiac, MI.	---	08-24-77	35.1
R 04101610	Dowagiac Creek	Dowagiac River	Lat 41°59'03", long 86°09'37", in SW1/4 sec.34, T.05 S., R.16 W., Cass County, at State Hwy. M-62, 2.5 miles west of Dowagiac, MI.	76.0	07-10-63 10-18-63	22.4 23.9
04101615	Dowagiac River	St. Joseph River	Lat 41°57'21", long 86°10'56", in SW1/4 SW1/4 sec.09, T.06 S., R.16 W., Cass County, at Peavine St., 4.0 miles southwest of Dowagiac, MI.	---	08-24-77	126
R 04101700	Dowagiac River	St. Joseph River	Lat 41°55'31", long 86°12'22", in NE1/4 sec.30, T.06 S., R.16 W., Cass County, at Crystal Springs Rd., 1.0 mile north of Sumnerville, MI.	---	09-16-60	133
R 04101790	Pokagon Creek	Dowagiac River	Lat 41°54'57", long 86°10'32", in SE1/4 sec.28, T.06 S., R.16 W., Cass County, at State Hwy. M-51, at Pokagon, MI.	---	10-18-63 04-02-64 04-09-64 04-16-64 04-30-64 05-08-64 05-21-64	12.5 28.4 22.3 19.1 33.4 25.2 16.2
04101900	Spring Valley Drain	St. Joseph River	Lat 41°53'08", long 86°18'12", in NE1/4 NE1/4 sec.08, T.07 S., R.17 W., Berrien County, at Matthew Rd., 4.1 miles southeast of Berrien Springs, MI.	---	09-06-79	0.20
04101905	Spring Valley Drain	St. Joseph River	Lat 41°52'14", long 86°17'33", in NE1/4 NW1/4 sec.16, T.07 S., R.17 W., Berrien County, at Walton Rd., 3.0 miles northwest of Niles, MI.	---	09-06-79 10-17-79	2.34 2.58
04102000	St. Joseph River	Lake Michigan	Lat 41°56'56", long 86°20'03", in SE1/4 sec.18, T.06 S., R.18 W., Berrien County, at first bridge below Pardee Island, at Berrien Springs, MI.	---	04-07-47 04-11-47 04-19-47 10-03-47 03-23-48 04-20-48 06-08-48 07-14-48 08-11-48 09-18-48	14300 12700 8610 3480 12900 5600 2480 650 1610 908
04102010	Love Creek	St. Joseph River	Lat 41°57'05", long 86°18'07", in NW1/4 SE1/4 sec.17, T.06 S., R.17 W., Berrien County, 2.0 miles east of Berrien Springs, MI.	2.00	01-08-64	0.13
04102012	Unnamed tributary	Love Creek	Lat 41°57'00", long 86°18'07", in SW1/4 NE1/4 sec.17, T.06 S., R.17 W., Berrien County, 2.0 miles east of Berrien Springs, MI.	0.70	01-08-64	0.13
04102014	Love Creek	St. Joseph River	Lat 41°57'00", long 86°18'15", in SW1/4 NE1/4 sec.17, T.06 S., R.17 W., Berrien County, 2.0 miles east of Berrien Springs, MI.	2.70	01-08-64	0.30
04102016	Love Creek	St. Joseph River	Lat 41°57'05", long 86°19'02", in SW1/4 NW1/4 sec.17, T.06 S., R.17 W., Berrien County, at Dean's Hill Rd., 1.0 mile east of Berrien Springs, MI.	3.25	01-08-64	2.68
04102020	Farmers Creek	St. Joseph River	Lat 41°59'10", long 86°19'35", in SW1/4 SE1/4 sec.31, T.05 S., R.17 W., Berrien County, upstream of the Michigan Tube outfall, 1.4 miles west of Eau Claire, MI.	---	05-25-73	4.70

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04102025	Farmers Creek	St. Joseph River	Lat 41°58'49", long 86°19'59", in SE1/4 NW1/4 sec.06, T.06 S., R.17 W., Berrien County, at Hipps Hollow Rd., 1.7 miles west of Eau Claire, MI.	---	07-19-67	4.65
					05-25-73	25.1
04102040	Pipestone Creek	St. Joseph River	Lat 42°01'53", long 86°18'02", in SE1/4 sec.17, T.05 S., R.17 W., Berrien County, at Old Pipestone Rd., 3.1 miles north of Eau Claire, MI.	---	07-19-67	15.9
04102060	Pipestone Creek	St. Joseph River	Lat 42°04'00", long 86°24'10", in SW1/4 sec.03, T.05 S., R.18 W., Berrien County, at Pipestone Rd., 1.3 miles northeast of Kings Landing, MI.	---	06-17-71	17.7
04102061	Sucker Creek	Pipestone Creek	Lat 42°01'45", long 86°22'40", in SE1/4 SE1/4 sec.15, T.05 S., R.18 W., Berrien County, at Dutch Lane Rd., 1.5 miles southwest of Sodus, MI.	---	07-13-81	0.28
04102062	Sucker Creek	Pipestone Creek	Lat 42°02'36", long 86°22'50", in SE1/4 SE1/4 sec.10, T.05 S., R.18 W., Berrien County, at Naomi Rd., 0.5 mi west of Sodus, MI.	---	07-13-81	1.50
04102070	Hickory Creek	St. Joseph River	Lat 42°04'31", long 86°28'50", in SE1/4 sec.35, T.04 S., R.19 W., Berrien County, at U.S. Hwy. 33, at St. Joseph, MI.	---	07-15-67	20.1
R 04102139	Eagle Lake Drain	South Branch Paw Paw River	Lat 42°09'45", long 85°55'35", in SE1/4 sec.34, T.03 S., R.14 W., Van Buren County, at 39th St., 4.2 miles west of Lawton, MI.	13.8	09-27-62	4.40
					04-15-63	5.95
					07-08-63	4.37
					10-18-63	3.61
04102140	Eagle Lake Drain	South Branch Paw Paw River	Lat 42°10'18", long 85°55'00", in NW1/4 NW1/4 sec.35, T.03 S., R.14 W., Van Buren County, at intersection of 38th St. and 68th St., 3.5 miles west of Lawton, MI.	14.3	04-23-80	18.8
					04-24-80	21.7
					10-14-80	15.5
					05-12-81	38.8
					07-07-81	15.8
					10-27-81	14.5
					05-12-82	17.5
					08-11-82	15.4
R 04102143	South Branch Paw Paw River	Paw Paw River	Lat 42°10'18", long 85°54'30", in NW1/4 sec.35, T.03 S., R.14 W., Van Buren County, at 68th St., 3.0 miles west of Lawton, MI.	40.4	09-27-62	16.1
					04-15-63	29.1
					07-08-63	12.1
					10-18-63	15.1
					08-24-77	12.4
					04-24-80	72.9
					10-14-80	29.3
					05-12-81	131
					07-07-81	42.0
					10-27-81	53.3
					05-12-82	51.0
					08-11-82	43.9
R 04102145	South Branch Paw Paw River	Paw Paw River	Lat 42°11'08", long 85°54'20", in NW1/4 NE1/4 sec.26, T.03 S., R.14 W., Van Buren County, south of 64th Ave., 1.8 miles south of Paw Paw, MI.	---	08-27-82	37.0
04102147	Three Mile Lake Drain	S. Br. Paw Paw River	Lat 42°11'44", long 85°55'00", in SW1/4 NW1/4 sec.23, T.03 S., R.14 W., Van Buren County, at Paw Paw Rd., 1.3 miles southwest of Paw Paw, MI.	---	08-27-82	2.28
04102148	South Branch Paw Paw River	Paw Paw River	Lat 42°12'02", long 85°54'05", in NE1/4 sec.23, T.03 S., R.14 W., Van Buren County, at 60th Ave., 1.4 miles south of Paw Paw, MI.	51.2	04-23-80	76.5
					05-08-80	65.1
					06-02-80	66.4
					07-07-80	74.0
					08-04-80	90.0
					09-02-80	88.3
					10-14-80	61.3
					12-01-80	75.7
					01-05-81	58.8
					02-02-81	68.0
					02-18-81	239
					02-21-81	164

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04102148	South Branch Paw Paw River	Paw Paw River	Continued		03-02-81	88.4
					04-06-81	64.7
					05-12-81	188
					06-09-81	59.3
					07-07-81	44.3
					08-03-81	50.4
					09-14-81	41.9
					10-02-81	111
					10-27-81	66.4
					11-16-81	50.6
					12-07-81	70.7
					01-18-82	62.8
					02-16-82	63.7
					03-08-82	57.6
					03-16-82	269
					04-19-82	90.7
					05-12-82	60.2
					06-14-82	50.5
					07-21-82	97.8
					08-11-82	48.9
					08-17-82	41.3
					08-27-82	39.8
04102150	South Branch Paw Paw River	Paw Paw River	Lat 42°12'21", long 85°54'07", in SE1/4 sec.14, T.03 S., R.14 W., Van Buren County, at I-94, 1.4 miles south of Paw Paw, MI.	52.1	09-27-62	31.8
					04-15-63	52.0
					07-08-63	25.2
					10-18-63	32.2
04102165	East Branch Paw Paw River	South Branch Paw Paw River	Lat 42°10'29", long 85°47'22", in SE1/4 sec.26, T.03 S., R.13 W., Van Buren County, at 24th St., 3.0 miles east of Lawton, MI.	9.20	04-23-80	8.90
					10-14-80	8.40
					05-11-81	35.2
					07-06-81	5.52
					10-27-81	8.44
					05-11-82	7.15
					08-10-82	6.81
04102170	East Branch Paw Paw River	South Branch Paw Paw River	Lat 42°11'19", long 85°48'35", in SE1/4 sec.22, T.03 S., R.13 W., Van Buren County, at 63rd Rd., 1.4 miles northeast of Lawton, MI.	11.4	09-27-62	3.44
					04-15-63	6.35
					07-08-63	2.30
					10-18-63	3.32
					03-18-66	8.42
					06-02-66	5.96
					07-01-66	5.52
04102171	East Branch Paw Paw River	South Branch Paw Paw River	Lat 42°11'23", long 85°48'45", in SE1/4 sec.22, T.03 S., R.13 W., Van Buren County, at railroad bridge, 1.0 mile northeast of Lawton, MI.	---	07-01-66	6.14
04102172	East Branch Paw Paw River	South Branch Paw Paw River	Lat 42°11'39", long 85°49'23", in NE1/4 sec.21, T.03 S., R.13 W., Van Buren County, at 28th St., 1.0 mile northeast of Lawton, MI.	---	03-18-66	15.7
					03-18-66	15.7
					06-02-66	11.8
					06-02-66	11.8
04102177	Cook Drain	East Branch Paw Paw River	Lat 42°12'28", long 85°49'23", in NW1/4 SW1/4 sec.15, T.03 S., R.13 W., Van Buren County, at 58th Ave., 1.0 mile west of Mattawan, MI.	---	05-22-70	1.65
					04-23-80	2.04
					10-14-80	1.04
					05-11-81	31.3
					07-06-81	0.70
					10-27-81	1.61
					05-11-82	1.80
					08-10-82	0.94
04102178	East Branch Paw Paw River	South Branch Paw Paw River	Lat 42°11'48", long 85°50'33", in NW1/4 sec.21, T.03 S., R.13 W., Van Buren County, at 30th St., 1.5 miles north of Lawton, MI.	26.9	03-18-66	20.1
					06-02-66	18.8
					04-23-80	25.6
					05-08-80	23.0
					06-02-80	31.1
					07-07-80	24.0
					08-04-80	41.9
					09-02-80	47.9
					10-14-80	22.2
					12-01-80	30.0
					01-06-81	24.0
					02-02-81	22.4
					03-02-81	30.5
					04-06-81	24.3
					05-11-81	84.1
					06-09-81	26.0
					07-06-81	19.1
					08-03-81	22.3
					09-14-81	18.9
					10-27-81	23.7
					11-16-81	20.7
					12-07-81	22.0

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	 Discharge (ft³/s)
04102178	East Branch Paw Paw River	South Branch Paw Paw River	Continued		01-18-82	18.7
					02-16-82	22.5
					03-08-82	22.4
					03-16-82	67.7
					04-19-82	31.7
					05-11-82	24.0
					06-14-82	23.9
					07-21-82	37.5
					08-10-82	20.8
04102179	East Branch Paw Paw River	South Branch Paw Paw River	Lat 42°12'47", long 85°51'48", in NE1/4 sec.18, T.03 S., R.13 W., Van Buren County, at 32nd St., 1.0 mile east of Paw Paw, MI.	---	03-18-66	28.1
					06-02-66	23.0
04102180	East Branch Paw Paw River	South Branch Paw Paw River	Lat 42°12'45", long 85°53'15", in NE1/4 NW1/4 sec.13, T.03 S., R.14 W., Van Buren County, at State Hwy. M-40, at Paw Paw, MI.	31.5	09-27-62	17.3
					04-15-63	23.4
					07-08-63	16.1
					10-18-63	16.2
					04-23-80	36.5
					05-08-80	36.0
					06-02-80	43.8
					07-07-80	35.7
					08-05-80	54.2
					09-02-80	60.7
					10-14-80	30.0
					12-01-80	38.8
					01-06-81	32.0
					02-03-81	23.7
					02-18-81	68.1
					03-03-81	41.5
					04-07-81	33.5
					05-12-81	114
					06-09-81	35.6
					07-06-81	28.8
					08-04-81	30.0
					09-14-81	27.1
					10-27-81	33.2
					11-16-81	29.6
					12-08-81	34.0
					01-18-82	36.2
					02-16-82	32.0
					03-09-82	29.6
					04-19-82	45.6
					05-11-82	37.4
					06-14-82	33.6
					07-21-82	54.7
					08-10-82	30.4
					08-17-82	28.0
					08-27-82	28.0
04102192	South Branch Paw Paw River	Paw Paw River	Lat 42°14'06", long 85°53'10", in SE1/4 sec.01, T.03 S., R.14 W., Van Buren County, at 51st Ave., 1.0 mile north of Paw Paw, MI.	94.3	04-24-80	113
					05-08-80	94.8
					06-03-80	193
					07-08-80	118
					08-05-80	133
					09-02-80	179
					10-15-80	96.6
					12-02-80	159
					01-07-81	114
					02-03-81	112
					03-03-81	144
					04-07-81	110
					05-13-81	182
					06-09-81	118
					07-06-81	81.3
					08-04-81	74.4
					09-15-81	73.8
					10-27-81	90.2
					11-17-81	30.2
					12-08-81	95.5
					01-19-82	92.0
					02-16-82	95.8
					03-09-82	86.5
					04-19-82	161
					05-11-82	113
					06-15-82	92.2
					07-21-82	208
					08-10-82	67.3
					08-17-82	63.7
04102200	South Branch Paw Paw River	Paw Paw River	Lat 42°15'23", long 85°54'26", in NE1/4 sec.35, T.02 S., R.14 W., Van Buren County, at 3750th St., 3.0 miles north of Paw Paw, MI.	---	08-26-55	12.9

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04102210	North Branch Paw Paw River	Paw Paw River	Lat 42°18'05", long 85°49'41", in NE1/4 sec.16, T.02 S., R.13 W., Van Buren County, at State Hwy. M-43, 5.0 miles southeast of Gobles, MI.	30.6	09-27-62	26.9
					07-09-63	16.8
					10-17-63	25.7
					08-24-77	40.2
04102212	North Branch Paw Paw River	Paw Paw River	Lat 42°16'39", long 85°51'48", in SW1/4 sec.20, T.02 S., R.13 W., Van Buren County, at 32nd St., 4.3 miles northeast of Paw Paw, MI.	37.8	04-24-80	55.2
					05-08-80	47.4
					06-03-80	105
					07-08-80	53.2
					03-05-80	92.1
					09-03-80	85.0
					10-14-80	48.9
					12-02-80	89.4
					01-07-81	59.6
					02-03-81	37.8
					02-18-81	225
					03-03-81	66.6
					04-07-81	50.7
					05-12-81	224
					06-09-81	50.9
					07-07-81	45.1
					08-04-81	51.3
					09-15-81	36.6
					10-28-81	58.5
					11-17-81	49.2
					12-08-81	59.2
					01-19-82	59.4
					02-17-82	65.2
					03-09-82	50.8
					03-16-82	253
					04-20-82	71.9
					05-12-82	46.6
					06-15-82	47.0
					07-21-82	121
					08-10-82	52.7
					08-17-82	40.5
04102217	Unnamed tributary	North Branch Paw Paw River	Lat 42°15'48", long 85°51'49", in SW1/4 sec.29, T.02 S., R.13 W., Van Buren County, at 32nd St., 3.5 miles northeast of Paw Paw, MI.	17.6	04-24-80	15.6
					05-08-80	12.6
					06-03-80	24.8
					07-08-80	12.6
					08-05-80	16.3
					09-03-80	15.1
					10-14-80	13.2
					12-02-80	20.2
					01-07-81	11.8
					02-03-81	14.0
					03-03-81	14.4
					04-07-81	13.2
					05-12-81	32.6
					06-10-81	15.1
					07-07-81	12.5
					08-04-81	11.8
					09-15-81	9.69
					10-28-81	11.4
					11-17-81	11.5
					12-08-81	13.4
					01-19-82	12.1
					02-17-82	12.6
					03-09-82	11.1
					03-16-82	38.0
					04-20-82	17.6
					05-12-82	15.1
					06-15-82	13.5
					07-22-82	18.5
					08-10-82	14.0
					08-23-82	12.8
04102220	North Branch Paw Paw River	Paw Paw River	Lat 42°15'59", long 85°53'36", in NW1/4 sec.25, T.02 S., R.14 W., Van Buren County, at 35.5th St., 3.4 miles north of Paw Paw, MI.	63.5	09-27-62	39.5
					04-15-63	58.0
					07-08-63	30.8
					10-18-63	37.6
					08-24-77	49.6
04102240	Brandywine Creek	North Branch Paw Paw River	Lat 42°18'53", long 85°54'30", in NW1/4 sec.11, T.02 S., R.14 W., Van Buren County, at 37th St., 3.4 miles south of Gobles, MI.	9.05	09-27-62	0.22
					04-15-63	0.73
					07-09-63	0.08
					10-17-63	0.09
					04-24-80	6.64
					10-14-80	2.71
					05-11-81	30.8
					07-06-81	1.67
					10-27-81	2.85
					05-11-82	2.20
					08-10-82	1.26

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	 Discharge (ft³/s)
04102246	North Extension Drain	Brandywine Creek	Lat 42°19'01", long 85°55'10", in SE1/4 SE1/4 sec.03, T.02 S., R.14 W., Van Buren County, at 28th Ave., 3.7 miles southwest of Gobles, MI.	10.7	04-24-80	8.12
					10-14-80	2.72
					05-12-81	48.0
					07-06-81	1.04
					10-27-81	4.52
					05-11-82	2.12
					08-10-82	0.68
04102250	Brandywine Creek	North Branch Paw Paw River	Lat 42°18'10", long 85°55'05", in NE1/4 sec.15, T.02 S., R.14 W., Van Buren County, at State Hwy. M-43, 4.5 miles south of Gobles, MI.	26.4	09-27-62	0.79
					04-15-63	12.3
					07-09-63	0.53
					10-18-63	0.41
04102260	Brandywine Creek	North Branch Paw Paw River	Lat 42°16'50", long 85°53'53", in NE1/4 sec.23, T.02 S., R.14 W., Van Buren County, at 38th Avenue, 4.4 miles north of Paw Paw, MI.	32.2	09-27-62	2.99
					04-15-63	18.1
					07-09-63	2.87
					10-18-63	2.28
					08-24-77	3.56
					04-24-80	21.1
					05-08-80	12.1
					06-03-80	89.2
					07-09-80	10.1
					08-05-80	27.4
					09-03-80	36.5
					10-14-80	9.99
					12-02-80	65.5
					01-08-81	16.2
					02-03-81	21.7
					02-19-81	342
					03-03-81	37.1
					04-07-81	15.1
					05-12-81	167
					06-10-81	12.5
					07-07-81	6.92
					08-05-81	5.12
					09-15-81	4.28
					10-28-81	12.4
					11-17-81	7.68
					12-09-81	18.5
					01-20-82	14.6
					02-17-82	17.5
					03-09-82	15.2
					03-16-82	259
					04-20-82	29.0
					05-12-82	9.62
					06-15-82	8.92
					07-22-82	34.2
					08-11-82	6.02
					08-18-82	4.75
04102270	North Branch Paw Paw River	Paw Paw River	Lat 42°16'07", long 85°54'43", in NW1/4 sec.26, T.02 S., R.14 W., Van Buren County, 0.2 mile upstream of highway bridge, 4.0 miles north of Paw Paw, MI.	---	08-25-55	40.1
R 04102322	Brownwood Lake Outlet	Carter Creek	Lat 42°14'32", long 85°55'28", in NE1/4 sec.03, T.02 S., R.14 W., Van Buren County, 1,500 feet below Brownwood Lake, 2.0 miles northwest of Paw Paw, MI.	---	10-19-51	1.00
04102350	Brush Creek	Paw Paw River	Lat 42°09'24", long 86°03'20", in NE1/4 sec.04, T.04 S., R.15 W., Van Buren County, at 72nd Ave., 4.5 miles south of Lawrence, MI.	16.0	09-27-62	6.66
					04-15-63	9.36
					07-09-63	5.62
					10-17-63	5.29
					04-23-80	19.0
					05-21-80	15.4
					10-15-80	11.2
					05-12-81	35.9
					07-08-81	10.1
					10-28-81	10.7
					05-12-82	12.6
					08-10-82	9.91
04102360	Red Creek	Brush Creek	Lat 42°10'10", long 86°04'15", in NW1/4 sec.33, T.03 N., R.15 W., Van Buren County, at 54th St., 3.5 miles south of Lawrence, MI.	6.89	09-27-62	0.52
					04-15-63	2.47
					07-09-63	0.42
					10-17-63	0.46
					04-24-80	4.34
					10-15-80	1.76
					05-13-81	19.5
					07-08-81	1.24
					10-29-81	2.40
					05-12-82	2.16
					08-11-82	2.11

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04102370	Brush Creek	Paw Paw River	Lat 42°13'10", long 86°02'36", in SW1/4 sec.10, T.03 S., R.15 W., Van Buren County, at Red Arrow Hwy., at Lawrence, MI.	39.9	08-25-55	16.5
					09-27-62	16.7
					04-15-63	23.6
					07-08-63	14.5
					10-18-63	14.4
					04-24-80	37.6
					05-09-80	31.0
					06-03-80	81.1
					07-09-80	36.9
					08-06-80	32.2
					09-04-80	31.3
					10-14-80	25.0
					12-03-80	51.2
					01-09-81	27.6
					02-04-81	36.9
					02-19-81	162
					03-04-81	42.4
					04-07-81	28.9
					05-13-81	122
					06-10-81	38.2
					07-07-81	24.5
					08-05-81	22.5
					09-16-81	20.8
					10-29-81	25.2
					11-18-81	24.6
					12-09-81	37.0
					01-20-82	34.0
					02-17-82	33.9
					03-10-82	31.6
					03-14-82	186
					03-17-82	225
					04-20-82	44.8
					05-12-82	31.3
					06-15-82	30.8
					07-22-82	42.0
					08-11-82	25.3
					08-18-82	20.7
04102392	Paw Paw River	St. Joseph River	Lat 42°13'26", long 86°03'06", in NE 1/4 sec.09, T.03 S., R.15 W., Van Buren County, at 52nd St., at Lawrence, MI.	265	04-24-80	377
					05-09-80	261
					06-05-80	469
					07-09-80	346
					08-06-80	528
					09-04-80	356
					10-15-80	240
					12-04-80	327
					01-09-81	310
					02-04-81	293
					02-19-81	1300
					02-21-81	1280
					03-04-81	469
					04-07-81	319
					05-12-81	1410
					05-16-81	648
					06-10-81	292
					07-08-81	204
					08-05-81	197
					09-16-81	170
					10-28-81	337
					11-18-81	228
					12-09-81	304
					01-20-82	292
					02-18-82	346
					03-10-82	276
					03-17-82	2000
					04-21-82	463
					05-12-82	292
					06-16-82	266
					07-22-82	687
					08-11-82	200
					08-18-82	175
04102408	Paw Paw River	St. Joseph River	Lat 42°13'22", long 86°09'57", in NW1/4 SW1/4 sec.10, T.03 S., R.16 W., Van Buren County, at 64th St., 0.5 mile north of Hartford, MI.	---	08-24-77	77.9
04102412	Mud Lake Drain	Paw Paw River	Lat 42°13'46", long 86°11'04", in NW1/4 sec.09, T.03 S., R.16 W., Van Buren County, at 52nd Ave., 1.4 miles northwest of Hartford, MI.	9.84	08-25-55	1.20
					09-27-62	1.47
					04-15-63	5.52
					07-08-63	1.51
					10-18-63	0.88

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04102429	Pine Creek	Paw Paw River	Lat 42°12'20", long 86°10'55", in SW1/4 sec.16, T.03 S., R.16 W., Van Buren County, at Red Arrow Hwy., 1.0 mile west of Hartford, MI.	9.67	04-23-80	6.90
					10-14-80	4.30
					05-13-81	16.9
					07-08-81	3.72
					10-29-81	5.72
					05-12-82	4.68
					08-11-82	4.67
04102430	Pine Creek	Paw Paw River	Lat 42°12'56", long 86°12'04", in NW1/4 sec.17, T.03 S., R.16 W., Van Buren County, at mouth, 1.7 miles west of Hartford, MI.	10.7	08-25-55	2.32
					09-27-62	1.63
					04-15-63	4.53
					07-08-63	1.95
					10-18-63	1.56
04102450	Mill Creek	Paw Paw River	Lat 42°08'43", long 86°14'33", in SE1/4 sec.01, T.04 S., R.17 W., Berrien County, at Hill Ave., 5.4 miles southwest of Hartford, MI.	11.3	09-27-62	7.64
					04-15-63	9.70
					07-08-63	5.81
					10-18-63	6.03
04102460	Mill Creek	Paw Paw River	Lat 42°11'13", long 86°15'28", in SW1/4 sec.23, T.03 S., R.17 W., Berrien County, at Red Arrow Hwy., at Watervliet, MI.	---	08-25-55	14.6
					02-09-78	31.6
04102470	Paw Paw River	St. Joseph River	Lat 42°11'38", long 86°15'31", in SW1/4 NW1/4 sec.23, T.03 S., R.17 W., Berrien County, 300 feet below Watervliet Paper Co., at Watervliet, MI.	---	02-09-78	359
04102475	Ryno Drain	Paw Paw River	Lat 42°11'02", long 86°18'13", in NE1/4 sec.29, T.03 S., R.17 W., Berrien County, 100 feet downstream of Red Arrow Hwy., at Coloma, MI.	---	08-25-55	0.27
04102480	Paw Paw River	St. Joseph River	Lat 42°11'47", long 86°18'10", in NW1/4 NE1/4 sec.20, T.03 S., R.17 W., Berrien County, at Defield Rd., 0.7 mile north of Coloma, MI.	---	08-29-51	254
04102520	Paw Paw River	St. Joseph River	Lat 42°07'30", long 86°26'55", in NW1/4 sec.18, T.04 S., R.18 W., Berrien County, at North Shore Rd., at Benton Harbor, MI.	---	04-08-47	4080
					04-09-47	3460
					04-10-47	2810
					06-14-48	332
					07-14-48	284
					08-11-48	378
					11-17-48	344
04102530	Ox Creek	Paw Paw River	Lat 42°06'04", long 86°26'17", in NE1/4 NE1/4 sec.30, T.04 S., R.18 W., Berrien County, at Empire Ave., at Benton Harbor, MI.	---	04-08-47	28.1
04102540	Brandywine Creek	Lake Michigan	Lat 42°18'54", long 86°18'27", in NE1/4 sec.08, T.02 S., R.17 W., Van Buren County, at old U.S. Hwy. 31, 2.7 miles northwest of Covert, MI.	16.7	09-27-62	0.90
					04-15-63	11.4
					07-08-63	1.36
					10-18-63	1.04
					04-24-80	12.5
					05-07-80	7.85
					06-06-80	107
					07-11-80	6.65
					08-08-80	13.9
					09-05-80	7.54
					10-14-80	6.25
					12-08-80	100
					01-14-81	10.6
					02-06-81	12.8
					03-05-81	21.4
					04-09-81	39.3
					05-12-81	156
					06-12-81	5.33
					07-07-81	2.77
					08-07-81	2.57
					09-18-81	2.00
					10-28-81	7.92

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04102540	Brandywine Creek	Lake Michigan	Continued		11-20-81	80.4
					12-14-81	16.2
					01-27-82	9.66
					02-19-82	18.5
					03-11-82	36.9
					04-23-82	14.2
					05-11-82	6.27
					06-17-82	5.34
					07-23-82	7.75
					08-11-82	3.00
					08-23-82	2.13
04102545	Deerlick Creek	Lake Michigan	Lat 42°22'23", long 86°17'07", in NE1/4 sec.21, T.01 S., R.17 W., Van Buren County, at 76th St., 2.0 miles south of South Haven, MI.	7.76	09-27-62	0.00
					04-15-63	2.77
					07-08-63	0.00
					10-18-63	0.00
					04-24-80	3.54
					05-07-80	1.88
					06-06-80	82.7
					07-11-80	0.84
					08-08-80	4.19
					09-05-80	2.00
					10-14-80	1.65
					12-08-80	111
					01-13-81	5.74
					02-06-81	6.42
					03-05-81	8.23
					04-09-81	21.7
					05-11-81	156
					06-12-81	0.51
					07-06-81	0.23
					08-07-81	0.24
					09-18-81	0.04
					10-28-81	1.46
					11-20-81	44.2
					12-14-81	6.66
					01-27-82	3.12
					02-19-82	11.2
					03-11-82	42.3
					04-23-82	4.29
					05-12-82	0.90
					06-17-82	0.89
					07-23-82	3.58
					08-11-82	0.13
04102575	Black River Extension Drain	South Branch Black River	Lat 42°20'40", long 86°03'12", in NW1/4 sec.34, T.01 S., R.15 W., Van Buren County, above Great Bear Lake Drain, 125 feet upstream of 52nd Rd., 3.8 miles northeast of Bangor, MI.	23.6	09-27-62	6.30
					04-15-63	22.2
					07-08-63	6.68
					10-18-63	7.97
					04-24-80	26.1
					05-06-80	19.8
					06-09-80	332
					07-10-80	17.3
					08-07-80	23.2
					09-04-80	30.3
					10-14-80	14.4
					12-04-80	36.2
					01-12-81	23.3
					02-05-81	27.2
					03-04-81	43.7
					04-08-81	19.0
					05-12-81	381
					06-11-81	15.8
					07-06-81	11.3
					08-06-81	9.07
					09-17-81	9.59
					10-01-81	40.6
					10-28-81	19.2
					11-18-81	12.6
					12-10-81	25.6
					01-21-82	22.9
					02-18-82	25.3
					03-10-82	20.5
					03-18-82	424
					04-21-82	33.0
					05-11-82	14.3
					06-16-82	14.5
					07-20-82	272
					08-10-82	12.4
					08-19-82	9.9[illegible]
04102587	Great Bear Lake Drain	South Branch Black River	Lat 42°22'25", long 85°59'11", in NE1/4 NW1/4 sec.19, T.01 S., R.14 W., Van Buren County, at 45th St., 1.0 mile southwest of Bloomingdale, MI.	9.34	08-03-73	2.54
					10-14-80	5.34
					05-12-81	80.8
					07-07-81	3.18
					10-28-81	5.81
					05-12-82	4.45
					08-11-82	2.70

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04102589	Great Bear Lake Drain	South Branch Black River	Lat 42°22'08", long 86°00'01", in SW1/4 NE1/4 sec.24, T.01 S., R.15 W., Van Buren County, at 46 1/2 St., 2.0 miles southwest of Bloomingdale, MI.	12.3	08-03-73	2.98
					04-23-80	15.7
					10-15-80	8.58
					05-11-81	147
					07-07-81	4.47
					10-28-81	8.76
					05-12-82	6.41
					08-10-82	3.47
04102590	Great Bear Lake Drain	South Branch Black River	Lat 42°20'50", long 86°03'10", in SW1/4 sec.27, T.01 S., R.15 W., Van Buren County, at 20th Rd., 4.0 miles northeast of Bangor, MI.	16.8	09-27-62	0.85
					04-15-63	20.4
					07-08-63	1.83
					10-18-63	2.00
					04-24-80	19.8
					05-06-80	10.8
					06-09-80	112
					07-10-80	9.04
					08-07-80	24.4
					09-04-80	26.2
					10-15-80	11.4
					12-04-80	20.1
					01-12-81	13.2
					02-05-81	18.6
					03-04-81	27.0
					04-08-81	12.6
					05-13-81	192
					05-15-81	50.6
					06-11-81	9.18
					07-06-81	5.45
					08-06-81	5.02
					09-17-81	4.52
					10-01-81	30.4
					10-27-81	13.4
					11-18-81	7.31
					12-10-81	14.2
					01-21-82	17.8
					02-18-82	17.4
					03-10-82	12.3
					03-18-82	107
					04-21-82	18.6
					05-11-82	8.05
					06-16-82	7.94
					08-10-82	5.24
					08-19-82	3.34
04102618	South Branch Black River	Black River	Lat 42°18'56", long 86°06'48", in NE1/4 sec.12, T.02 S., R.16 W., Van Buren County, at Railroad St., at Bangor, MI.	52.4	05-10-73	71.6
					04-24-80	64.5
					05-06-80	47.6
					06-09-80	393
					07-10-80	42.8
					08-07-80	60.3
					09-04-80	82.3
					10-15-80	40.9
					12-05-80	77.5
					01-12-81	49.0
					02-05-81	65.0
					02-20-81	480
					03-04-81	95.7
					04-08-81	55.8
					05-13-81	370
					06-11-81	37.1
					07-06-81	29.4
					08-06-81	24.1
					09-17-81	23.8
					10-01-81	79.5
					10-27-81	45.3
					11-19-81	32.0
					12-10-81	53.3
					01-21-82	49.8
					02-18-82	55.8
					03-10-82	49.8
					04-22-82	66.1
					05-11-82	37.9
					06-16-82	33.8
					07-20-82	371
					08-10-82	29.4
04102620	South Branch Black River	Black River	Lat 42°18'59", long 86°06'59", in SE1/4 sec.01, T.02 S., R.16 W., Van Buren County, at Hamilton St., at Bangor, MI.	52.3	09-27-62	21.1
					04-15-63	56.0
					07-08-63	15.9
					10-18-63	16.2
04102630	Maple Brook	South Branch Black River	Lat 42°18'34", long 86°07'03", in NW1/4 sec.12, T.02 S., R.16 W., Van Buren County, at Alexander St., at Bangor, MI.	12.1	09-27-62	1.67
					04-15-63	6.80
					07-08-63	1.96
					10-18-63	1.52

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04102640	Unnamed tributary	South Branch Black River	Lat 42°19'52", long 86°09'22", in NE1/4 sec.03, T.02 S., R.16 W., Van Buren County, at State Hwy. M-43, 2.5 miles northwest of Bangor, MI.	6.19	09-27-62	1.08
					04-15-63	4.15
					07-09-63	1.23
					10-18-63	1.02
04102705	South Branch Black River	Black River	Lat 42°21'38", long 86°11'32", in NE1/4 sec.29, T.01 S., R.16 W., Van Buren County, at 16th Ave., 5.0 miles southeast of South Haven, MI.	86.0	09-27-62	20.4
					04-15-63	76.3
					07-09-63	24.6
					10-18-63	23.0
04102710	Eastman Creek	South Branch Black River	Lat 42°21'57", long 86°11'20", in SE1/4 sec.20, T.01 S., R.16 W., Van Buren County, below confluence of two tributaries, 4.8 miles southeast of South Haven, MI.	7.22	09-27-62	1.11
					04-15-63	3.95
					07-09-63	1.10
					10-18-63	0.96
04102720	Cedar Creek	South Branch Black River	Lat 42°21'15", long 86°11'17", in NW1/4 sec.29, T.01 S., R.16 W., Van Buren County, at 16th St., 4.6 miles southeast of South Haven, MI.	17.6	09-27-62	1.54
					04-15-63	9.71
					07-09-63	1.36
					10-18-63	1.09
					04-24-80	15.4
					05-07-80	10.4
					06-09-80	115
					07-11-80	8.55
					08-07-80	22.8
					09-05-80	13.3
					10-15-80	9.43
					12-05-80	21.8
					01-13-81	14.4
					02-05-81	18.1
					02-20-81	151
					03-05-81	26.0
					04-09-81	30.3
					05-13-81	97.9
					06-12-81	6.38
					07-06-81	4.22
					07-07-81	5.01
					09-17-81	3.18
					10-01-81	69.4
					10-27-81	11.2
					11-19-81	6.40
					12-11-81	11.3
					01-22-82	12.2
					02-19-82	25.9
					03-11-82	29.7
					04-22-82	16.9
					05-11-82	7.40
					06-17-82	6.23
					07-19-82	49.3
					08-10-82	3.98
					08-20-82	2.76
04102725	Butternut Creek	South Branch Black River	Lat 42°24'23", long 86°12'27", in SE1/4 sec.06, T.01 S., R.16 W., Van Buren County, below Piper Creek at 68th St., 3.3 miles east of South Haven, MI.	9.31	09-27-62	1.67
					04-15-63	6.30
					07-09-63	2.32
					10-18-63	2.04
04102730	South Branch Black River	Black River	Lat 42°24'54", long 86°13'31", in NE1/4 sec.01, T.01 S., R.17 W., Van Buren County, at 70th St., 2.0 miles northeast of South Haven, MI.	130	09-27-62	34.3
					04-15-63	105
					07-09-63	29.4
					10-18-63	29.4
					09-18-81	49.4
					11-19-81	66.2
					02-19-82	179
					03-11-82	203
					05-12-82	71.9
					06-17-82	85.8
					08-10-82	60.1
					08-20-82	52.6
04102731	South Branch Black River	Black River	Lat 42°25'10", long 86°14'24", in NW1/4 sec.01, T.01 S., R.17 W., Van Buren County, at 71 1/2 St., 1.0 mile east of South Haven, MI.	132	04-23-80	118
					05-07-80	82.6
					06-11-80	557
					07-11-80	31.9
					08-08-80	182
					09-05-80	101
					10-15-80	119
					12-08-80	381
					02-20-81	1430
					02-21-81	1130

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04102731	South Branch Black River	Black River	Continued		03-05-81	233
					04-09-81	203
					05-12-81	1480
					05-15-81	577
					06-12-81	124
					07-07-81	60.1
					08-07-81	54.9
					10-01-81	297
					10-28-81	99.5
					12-14-81	121
					03-14-82	1630
					04-22-82	187
					07-19-82	1240
04102735	Middle Fork Black River	Black River	Lat 42°25'09", long 86°02'25", in NW1/4 sec.03, T.01 S., R.15 W., Van Buren County, at Baseline Rd., 5.5 miles northwest of Bloomingdale, MI.	5.01	04-23-80	7.85
					10-15-80	4.21
					05-12-81	44.8
					07-07-81	2.30
					10-28-81	4.39
					05-12-82	2.50
					08-11-82	2.38
04102750	Melvin Creek	Middle Branch Black River	Lat 42°24'33", long 86°00'35", in SW1/4 sec.01, T.01 S., R.15 W., Van Buren County, at 47 1/2 St., 3.3 miles northwest of Bloomingdale, MI.	7.10	09-27-62	1.24
					04-15-63	8.73
					07-09-63	1.11
					10-18-63	1.04
					04-24-80	6.57
					10-15-80	6.35
					05-13-81	29.4
					07-07-81	2.76
					10-28-81	4.66
					05-12-82	3.74
					08-11-82	2.27
04102770	Barber Creek	Middle Branch Black River	Lat 42°25'09", long 86°03'40", in SW1/4 sec.34, T.01 N., R.15 W., Van Buren County, at Baseline Rd., 1.1 miles northeast of Grand Junction, MI.	7.71	09-27-62	2.67
					07-09-63	2.50
					10-18-63	2.01
					04-23-80	11.5
					10-15-80	9.51
					05-12-81	40.5
					07-07-81	5.58
					10-28-81	7.09
					05-12-82	6.60
					08-11-82	6.38
04102780	Middle Branch Black River	Black River	Lat 42°25'27", long 86°14'34", in SW1/4 sec.31, T.01 N., R.16 W., Allegan County, 0.5 mile upstream of Baseline Rd., 2.5 miles northeast of South Haven, MI.	151	09-27-62	36.3
					04-15-63	145
					07-08-63	37.3
					10-18-63	33.8
04102790	South Branch Kalamazoo River	Kalamazoo River	Lat 42°03'15", long 84°39'05", in NE1/4 sec.09, T.05 S., R.03 W., Hillsdale County, at Concord Rd., 0.5 mile southeast of Mosherville, MI.	---	07-21-64	7.08
04102796	South Branch Kalamazoo River	Kalamazoo River	Lat 42°08'15", long 84°44'40", in SE1/4 NW1/4 sec.11, T.04 S., R.04 W., Calhoun County, at 28 1/2 Mile Rd., 3.5 miles east of Homer, MI.	---	07-25-73	63.8
					08-15-73	36.2
04102800	South Branch Kalamazoo River	Kalamazoo River	Lat 42°08'50", long 84°48'11", in SW1/4 sec.05, T.04 S., R.04 W., Calhoun County, at State Hwys. M-60 and M-99, at Homer, MI.	139	09-03-71	38.2
					09-16-71	34.5
					09-21-71	36.6
					10-02-71	37.8
					10-20-71	34.8
					11-13-71	38.8
					11-24-71	40.8
					12-13-71	73.4
					01-08-72	80.7
					03-02-72	108
					04-17-72	237
					06-13-72	62.2
					07-28-72	47.5
					08-29-72	45.9
04102810	South Branch Kalamazoo River	Kalamazoo River	Lat 42°09'34", long 84°48'19", in NW1/4 NW1/4 sec.05, T.04 S., R.04 W., Calhoun County, at L Dr., 1.0 mile north of Homer, MI.	---	06-13-72	61.2

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04102900	South Branch Kalamazoo River	Kalamazoo River	Lat 42°14'25", long 84°44'55", in NW1/4 sec.02, T.03 S., R.04 W., Calhoun County, at mouth, at Albion, MI.	151	09-03-71	54.1
					09-16-71	50.4
					09-21-71	50.8
					10-02-71	53.5
					10-20-71	53.4
					11-13-71	53.6
					11-24-71	55.9
					12-13-71	97.3
					01-08-72	94.4
					03-02-72	127
					04-17-72	245
					06-14-72	72.8
					07-28-72	67.5
					08-29-72	64.2
04102905	Unnamed tributary	North Branch Kalamazoo River	Lat 42°04'43", long 84°30'45", in SW1/4 sec.35, T.04 S., R.02 W., Jackson County, 700 feet north of Farewell Lake Rd., 2.0 miles north of Moscow, MI.	---	12-01-76	1.49
04102990	North Branch Kalamazoo River	Kalamazoo River	Lat 42°14'06", long 84°41'41", in SW1/4 SW1/4 sec.05, T.03 S., R.03 W., Jackson County, at Bath-Mills Rd., 3.1 miles southeast of Albion, MI.	---	10-20-71	41.8
					12-13-71	68.5
04103050	North Branch Rice Creek	Rice Creek	Lat 42°21'05", long 84°43'02", in SE1/4 sec.25, T.01 S., R.04 W., Calhoun County, at 30 Mile Rd., 5.0 miles northeast of Albion, MI.	---	09-27-83	6.02
04103100	South Branch Rice Creek	Rice Creek	Lat 42°17'23", long 84°45'25", in NE1/4 sec.22, T.02 S., R.04 W., Calhoun County, at 28 Mile Rd., 3.0 miles north of Albion, MI.	---	09-27-83	8.47
04103120	South Branch Rice Creek	Rice Creek	Lat 42°17'51", long 84°49'48", in NW1/4 sec.18, T.02 S., R.05 W., Calhoun County, at 24 Mile Rd., 2.0 miles northeast of Marengo, MI.	---	09-27-83	14.1
04103460	Rice Creek	Kalamazoo River	Lat 42°17'42", long 84°51'52", in SW1/4 sec.14, T.02 S., R.05 W., Calhoun County, at 22 1/2 Mile Rd., 2.0 miles north of Marengo, MI.	---	09-27-83	28.2
04103470	Rice Creek	Kalamazoo River	Lat 42°17'32", long 84°54'25", in SE1/4 sec.17, T.02 S., R.05 W., Calhoun County, at 20 Mile Rd., 2.2 miles northeast of Marshall, MI.	---	09-27-83	38.3
04103480	Rice Creek	Kalamazoo River	Lat 42°16'30", long 84°55'50", in SW1/4 sec.19, T.02 S., R.05 W., Calhoun County, at Michigan Ave., 0.5 mile east of Marshall., MI.	---	09-27-83	46.2
04103490	Rice Creek	Kalamazoo River	Lat 42°15'57", long 84°57'32", in SW1/4 sec.25, T.02 S., R.06 W., Calhoun County, at Monroe St., at Marshall, MI.	---	11-15-56	33.5
					12-03-56	44.3
					01-04-57	52.8
					03-18-57	68.4
					04-25-57	128
					05-22-57	127
					06-20-57	53.1
					07-23-57	54.1
					08-12-57	28.6
					09-10-57	36.9
					10-07-57	28.6
					11-08-57	51.4
					12-09-57	64.5
					01-20-58	48.6
					03-03-58	132
					04-07-58	104
					05-05-58	56.5
					06-02-58	37.6
					07-08-58	46.2
					09-09-58	30.7
04103510	Talmadge Creek	Kalamazoo River	Lat 42°14'21", long 84°57'48", in SW1/4 NW1/4 sec.01, T.03 S., R.06 W., Calhoun County, at 17 Mile Rd.(old U.S. Hwy. 27), 2.0 miles south of Marshall, MI.	---	05-08-84	0.94

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04103525	Dickinson Creek	Kalamazoo River	Lat 42°17'30", long 85°04'07", in SE1/4 sec.12, T.02 S., R.07 W., Calhoun County, at H Dr., 2.5 miles north of Ceresco, MI.	---	04-26-83	1.91
					06-09-83	2.69
					07-08-83	0.48
					08-09-83	0.53
04103528	Dickinson Creek	Kalamazoo River	Lat 42°17'33", long 85°06'38", in SE1/4 sec.15, T.02 S., R.07 W., Calhoun County, at F Dr. N., 3.0 miles northwest of Ceresco, MI.	---	04-26-83	4.08
					06-09-83	6.48
					07-08-83	3.03
					08-09-83	2.17
04103530	Unnamed tributary	Kalamazoo River	Lat 42°17'58", long 85°07'43", in NE1/4 sec.16, T.02 S., R.07 W., Calhoun County, 0.1 mile above mouth, 1.0 mile southeast of Battle Creek, MI.	---	04-26-83	1.38
					06-09-83	1.22
					07-08-83	1.01
					08-09-83	0.96
04103533	Unnamed tributary	Kalamazoo River	Lat 42°18'38", long 85°08'12", in SW1/4 sec.09, T.02 S., R.07 W., Calhoun County, at Michigan Ave., at Battle Creek, MI.	---	04-26-83	1.52
					06-09-83	2.47
					07-08-83	1.57
					08-09-83	1.31
04103536	Kalamazoo River	Lake Michigan	Lat 42°17'49", long 85°10'07", in NW1/4 SE1/4 sec.18, T.02 S., R.07 W., Calhoun County, at Beadle Lake Rd., at Battle Creek, MI.	---	07-19-76	304
					07-20-76	383
04103550	Minges Brook	Kalamazoo River	Lat 42°15'58", long 85°13'28", in SE1/4 sec.27, T.02 S., R.08 W., Calhoun County, 3.0 miles south of Battle Creek, MI.	---	10-06-49	9.45
					01-20-50	12.3
					05-05-50	20.6
					07-27-50	8.94
					11-09-50	5.14
					02-12-51	20.3
					07-13-51	5.96
					10-17-51	5.76
					01-25-52	15.9
					02-14-52	12.5
					06-10-52	8.32
					09-05-52	5.01
					10-22-52	4.16
					10-17-53	2.59
					03-24-54	8.79
					06-05-54	17.4
					07-13-54	5.41
					03-11-78	5.27
04103800	Narrow Lake Outlet	Battle Creek	Lat 42°26'37", long 84°46'24", in SW1/4 sec.27, T.01 N., R.04 W., Eaton County, 5.0 miles southwest of Eaton Rapids, MI.	---	09-05-46	0.70
04104000	Battle Creek	Kalamazoo River	Lat 42°32'20", long 84°50'55", in SW1/4 sec.24, T.02 N., R.05 W., Eaton County, at former gaging station, at Kalamo Rd., 1.2 mile southwest of Charlotte, MI.	67.0	10-16-54	73.4
					11-09-54	24.2
					12-04-54	34.8
					01-13-55	46.3
					02-15-55	19.5
					03-04-55	84.4
					03-21-55	46.2
					04-21-55	32.3
					05-19-55	15.8
					06-07-55	17.1
					07-27-55	9.10
					08-31-55	9.24
					09-22-55	5.76
					09-22-55	5.76
					10-18-55	11.3
					10-18-55	11.3
					11-15-55	22.7
					11-15-55	22.7
					07-08-63	6.30
					07-08-63	6.30
					10-17-63	3.64
					10-17-63	3.64
					02-12-71	34.3
					02-12-71	34.3
					03-08-79	231
					03-08-79	231
04104298	Indian Creek	Battle Creek	Lat 42°26'54", long 84°55'20", in NE1/4 sec.29, T.01 N., R.05 W., Eaton County, at old U.S. Hwy. 27, at Olivet, MI.	---	05-26-64	7.46

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04104300	Indian Creek	Battle Creek	Lat 42°27'45", long 84°55'48", in NW1/4 sec.20, T.01 N., R.05 W., Eaton County, at Messenger Hwy., 1.0 mile northwest of Olivet, MI.	48.7	06-08-64	6.21
					08-19-64	2.37
					10-06-64	4.08
					04-24-65	36.3
					05-19-65	11.6
					07-27-65	4.09
					05-25-66	39.6
					09-22-66	4.52
					08-09-67	6.57
04104500	Battle Creek	Kalamazoo River	Lat 42°26'35", long 85°02'00", in NW1/4 sec.28, T.01 N., R.06 W., Eaton County, at State Hwy. M-78, at Bellevue, MI.	178	11-24-76	34.7
04104650	Unnamed tributary	Battle Creek	Lat 42°22'55", long 85°03'36", in SW1/4 sec.18, T.01 S., R.06 W., Calhoun County, at junction of Bellevue and 12 Mile Rds., 2.3 miles east of Pennfield, MI.	---	04-26-83	1.83
					06-09-83	2.04
					07-08-83	0.78
					08-09-83	0.67
04104945	Wanadoga Creek	Battle Creek	Lat 42°23'48", long 85°07'57", in NW1/4 SW1/4 sec.09, T.01 S., R.07 W., Calhoun County, at State Hwy. M-66, 4.2 miles north of Battle Creek, MI.	---	07-25-73	23.7
					06-06-74	31.0
					07-19-74	16.0
					09-26-74	16.3
					01-07-75	25.8
04104950	Wanadaga Creek	Battle Creek	Lat 42°22'12", long 85°07'44", in NW1/4 SE1/4 sec.21, T.01 S., R.07 W., Calhoun County, at Q Dr. North, 1.3 miles west of Pennfield, MI.	---	10-17-64	8.28
					04-26-83	53.6
					06-09-83	47.9
					07-08-83	18.4
					08-09-83	16.1
04104960	Battle Creek	Kalamazoo River	Lat 42°21'29", long 85°08'00", in SE1/4 NW1/4 sec.28, T.01 S., R.07 W., Calhoun County, 1.0 mile northeast of Fruin Corners, near Battle Creek, MI.	---	07-09-82	102
					09-07-82	56.4
04105510	Kalamazoo River	Lake Michigan	Lat 42°20'05", long 85°13'09", in SW1/4 SW1/4 sec.35, T.01 S., R.08 W., Calhoun County, at Bedford Rd., at Battle Creek, MI.	---	07-19-76	391
					07-20-76	343
04105515	Unnamed tributary	Kalamazoo River	Lat 42°20'50", long 85°12'08", in NE1/4 sec.35, T.01 S., R.08 W., Calhoun County, at Wabascon Rd., at Battle Creek, MI.	---	04-26-83	0.47
					06-09-83	0.56
					07-08-83	0.17
					08-09-83	0.24
04105560	Unnamed tributary	Kalamazoo River	Lat 42°18'08", long 85°16'41", in NE1/4 NE1/4 sec.18, T.02 S., R.08 W., Calhoun County, at Territorial Rd., 4.4 miles southeast of Augusta, MI.	5.51	06-02-65	15.0
					07-02-65	3.69
					07-28-65	3.19
					01-04-66	0.57
					04-07-66	0.76
					08-17-66	0.01
					05-08-67	2.11
					08-08-67	0.28
04105570	Unnamed tributary	Kalamazoo River	Lat 42°19'07", long 85°16'37", in NW1/4 NW1/4 sec.08, T.02 S., R.08 W., Calhoun County, at Reese Rd., 4.2 miles east of Augusta, MI.	6.41	05-08-65	2.84
					05-22-65	5.54
					07-02-65	4.62
					07-28-65	4.26
					01-04-66	1.69
					04-07-66	1.69
					08-17-66	0.29
					05-08-67	3.15
					08-08-67	0.26
04105600	Kalamazoo River	Lake Michigan	Lat 42°21'02", long 85°16'32", in SW1/4 SW1/4 sec.29, T.01 S., R.08 W., Calhoun County, at Custer Rd., 1.5 miles west of Urbandale, MI.	---	07-19-76	480
					07-20-76	438
					09-15-76	395
04105650	Seven Mile Creek	Kalamazoo River	Lat 42°22'03", long 85°17'55", in SE1/4 sec.24, T.01 S., R.09 W., Calhoun County, at 48th St., 3.6 miles northeast of Augusta, MI.	14.4	02-06-64	6.02
					04-16-64	5.80
					06-02-64	4.44
					07-27-64	3.32
					09-15-64	4.29
					02-18-65	6.93
					08-05-65	5.07
					10-19-65	6.11
					05-05-66	9.54
					08-30-66	5.86
					05-08-67	13.4

Table 3.--Discharge measurements cf Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04105653	Kalamazoo River	Lake Michigan	Lat 42°21'04", long 85°18'09", in NE1/4 SE1/4 sec.25, T.01 S., R.09 W., Kalamazoo County, 700 feet north of River Rd., 2.0 miles east of Augusta, MI.	---	07-19-76	475
					07-20-76	524
04105655	Kalamazoo River	Lake Michigan	Lat 42°20'56", long 85°19'37", in SW1/4 SE1/4 sec.26, T.01 S., R.09 W., Kalamazoo County, 1,000 feet southeast of Augusta Rd., 1.0 mile northeast of Augusta, MI.	---	07-19-76	538
					07-20-76	557
04105660	Unnamed tributary	Kalamazoo River	Lat 42°18'13", long 85°17'58", in NE1/4 NE1/4 sec.13, T.02 S., R.09 W., KalamazooCounty, at Territorial Rd., 3.4 miles southeast of Augusta, MI.	2.78	05-08-65	0.50
					05-22-65	0.32
					07-02-65	0.27
					07-28-65	0.18
					01-04-66	3.42
					08-17-66	4.22
					05-08-67	4.96
					08-08-67	3.73
04105665	Unnamed tributary	Kalamazoo River	Lat 42°19'02", long 85°19'02", in NW1/4 NW1/4 sec.12, T.02 S., R.09 W., Kalamazoo County, at Reese Rd., 2.2 miles southeast of Augusta, MI.	4.14	03-04-65	3.49
					05-08-65	1.49
					05-22-65	0.43
					07-02-65	0.16
					07-28-65	0.05
					01-04-66	5.25
					04-07-66	7.41
					08-17-66	6.67
					05-08-67	7.87
					08-08-67	5.79
04105670	Unnamed tributary	Kalamazoo River	Lat 42°20'02", long 85°19'47", in SW1/4 sec.35, T.01 S., R.09 W., Kalamazoo County, at Dickman Rd., 1.2 miles east of Augusta, MI.	6.99	05-08-65	9.84
					05-22-65	6.62
					07-02-65	4.03
					07-28-65	4.19
					01-04-66	8.63
					04-07-66	9.52
					08-17-66	9.52
					05-08-67	10.1
					08-08-67	5.93
04105675	Kalamazoo River	Lake Michigan	Lat 42°20'07", long 85°20'42", in SW1/4 SE1/4 sec.34, T.01 S., R.09 W., Kalamazoo County, at Michigan Ave., at Augusta, MI.	---	07-19-76	458
					07-20-76	644
					07-21-76	957
					09-15-76	424
04105680	Augusta Creek	Kalamazoo River	Lat 42°24'41", long 85°20'39", in SE1/4 sec.03, T.01 S., R.09 W., Kalamazoo County, at AB Ave., 2.8 miles southeast of Hickory Corners, MI.	19.6	04-16-64	9.68
					06-02-64	5.36
					07-27-64	3.77
					09-15-64	4.74
					02-18-65	11.1
					08-04-65	5.94
					10-19-65	8.98
					05-05-66	17.7
					08-30-66	7.70
					05-08-67	17.3
					09-30-68	11.0
					11-23-68	21.1
					03-17-69	18.6
					04-26-69	24.7
					10-11-69	30.0
					04-16-70	25.8
					11-21-70	21.9
					05-01-71	17.2
04105685	Hamilton Lake Outlet	Augusta Creek	Lat 42°24'25", long 85°20'37", in SE1/4 sec.03, T.01 S., R.09 W., Kalamazoo County, at 44th St., 2.9 miles southeast of Hickory Corners, MI.	7.69	07-27-64	0.75
					10-19-65	2.79
					05-08-67	4.58
04105700	Augusta Creek	Kalamazoo River	Lat 42°21'12", long 85°21'14", in SW1/4 sec.27, T.01 S., R.09 W., Kalamazoo County, at gaging station on EF Ave., 1.3 miles north of Augusta, MI.	38.9	07-27-64	14.0
					10-19-65	22.7
					05-08-67	41.3
04105770	Gull Creek	Kalamazoo River	Lat 42°22'08", long 85°24'13", in NE1/4 sec.19, T.01 S., R.09 W., Kalamazoo County, at DE Ave., 0.5 mile south of Yorkville, MI.	28.9	07-27-64	0.22
					10-18-65	3.17
					05-09-67	0.65
					04-23-73	37.4

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04105780	Gull Creek	Kalamazoo River	Lat 42°21'28", long 85°24'50", in NW1/4 sec.30, T.01 S., R.09 W., Kalamazoo County, at Green Dr., 1.3 miles south of Yorkville, MI.	30.0	07-27-64	1.09
					10-18-65	5.28
					05-09-67	7.30
04105790	Gull Creek	Kalamazoo River	Lat 42°20'08", long 85°24'06", in SE1/4 sec.31, T.01 S., R.09 W., Kalamazoo County, at G Ave., at Howlandsburg, MI.	35.7	07-27-64	1.52
					10-18-65	10.3
					05-09-67	22.3
04105800	Gull Creek	Kalamazoo River	Lat 42°18'54", long 85°24'04", in NE1/4 sec.07, T.02 S., R.09 W., Kalamazoo County, at former gaging station on 37th St., 2.0 miles northeast Galesburg, MI.	38.1	10-18-65	11.7
					05-09-67	21.7
04105802	Gull Creek	Kalamazoo River	Lat 42°18'03", long 85°23'55", in NE1/4 sec.18, T.02 S., R.09 W., Kalamazoo County, at State Hwy. M-96, 1.0 mile northeast of Galesburg, MI.	39.9	07-27-64	0.78
					10-18-65	7.31
					05-09-67	22.0
04105820	Kalamazoo River	Lake Michigan	Lat 42°16'48", long 85°25'43", in NW1/4 SW1/4 sec.24, T.02 S., R.10 W., Kalamazoo County, at 35th St., at Galesburg, MI.	---	09-15-76	486
04105975	Comstock Creek	Kalamazoo River	Lat 42°19'58", long 85°27'02", in NW1/4 NW1/4 sec.02, T.02 S., R.10 W., Kalamazoo County, at G Ave., 3.0 miles northwest of Galesburg, MI.	---	08-04-77	0.81
					09-12-77	0.86
					08-21-78	1.13
04105985	Comstock Creek	Kalamazoo River	Lat 42°19'03", long 85°29'08", in NW1/4 sec.09, T.02 S., R.10 W., Kalamazoo County, at H Ave., 2.8 miles northeast of Comstock, MI.	14.8	12-09-68	5.81
					12-09-68	5.97
					12-19-75	9.22
					08-26-76	6.10
					05-26-77	5.13
					08-04-77	3.99
					09-12-77	4.14
					08-21-78	5.57
04105990	Comstock Creek	Kalamazoo River	Lat 42°18'10", long 85°30'16", in NW1/4 sec.17, T.02 S., R.10 W., Kalamazoo County, at E. Main St., 4.3 miles east of Kalamazoo, MI.	18.3	02-06-64	4.43
					04-16-64	4.80
					06-02-64	1.99
					07-27-64	1.76
					09-14-64	2.44
					02-18-65	6.54
					08-05-65	3.30
					10-19-65	4.54
					05-05-66	8.27
					08-30-66	5.05
					05-08-67	8.19
					09-30-68	5.85
					11-23-68	9.92
					03-18-69	10.3
					04-26-69	9.60
					10-11-69	12.2
					04-18-70	11.1
					11-07-70	8.07
					03-04-71	10.8
04106000	Kalamazoo River	Lake Michigan	Lat 42°17'05", long 85°30'50", in NE1/4 sec.19, T.02 S., R.10 W., Kalamazoo County, at gaging station at River St., at Comstock, MI.	1010	10-12-82	568
					06-20-84	662
					07-31-84	414
04106020	Davis Creek	Kalamazoo River	Lat 42°14'42", long 85°32'10", in SE1/4 sec.36, T.02 S., R.11 W., Kalamazoo County, at Kilgore Rd., 1.0 mile southeast of Kalamazoo, MI.	11.2	09-09-60	2.80
					07-27-64	1.15
					10-19-65	1.33
					05-09-67	10.4

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04106050	Davis Creek	Kalamazoo River	Lat 42°16'27", long 85°32'17", in SE1/4 sec.24, T.02 S., R.11 W., Kalamazoo County, at Olmstead Rd., at Kalamazoo, MI.	15.0	10-17-63	2.02
					02-06-64	2.37
					04-16-64	4.36
					06-02-64	3.25
					07-27-64	2.63
					09-15-64	2.24
					02-18-65	5.42
					08-05-65	3.94
					10-19-65	3.62
					05-04-66	9.81
					08-30-66	6.62
					05-09-67	15.6
04106135	Portage Creek	Kalamazoo River	Lat 42°11'50", long 85°38'53", in NW1/4 sec.19, T.03 S., R.11 W., Kalamazoo County, at 12th St., 3.0 miles west of Portage, MI.	---	12-01-59	0.20
04106140	Unnamed tributary	Portage Creek	Lat 42°11'12", long 85°37'52", in SE1/4 sec.19, T.03 S., R.11 W., Kalamazoo County, at R Ave., 2.2 miles southwest of Portage, MI.	2.63	12-01-59	2.34
					07-28-64	1.63
					08-18-64	1.56
					10-19-65	2.65
					05-08-67	4.52
					09-30-68	2.73
					11-23-68	4.36
					03-18-69	4.55
					10-18-69	3.72
					07-30-71	3.88
					08-30-71	2.72
					11-20-71	2.96
04106160	Portage Creek	Kalamazoo River	Lat 42°11'13", long 85°36'50", in SE1/4 sec.20, T.03 S., R.11 W., Kalamazoo County, at Oakland Dr., 1.5 miles southwest of Portage, MI.	---	12-01-59	10.1
					08-18-64	6.39
04106170	Unnamed tributary	Portage Creek	Lat 42°12'38", long 85°35'23", in NE1/4 sec.16, T.03 S., R.11 W., Kalamazoo County, at Westnedge Ave., 0.5 mile north of Portage, MI.	---	08-18-64	1.89
					10-21-64	1.95
					01-07-65	2.61
					02-10-65	8.27
					04-08-65	4.57
					06-11-65	3.10
					07-13-65	2.21
					08-04-65	2.33
					09-23-65	3.67
04106180	Portage Creek	Kalamazoo River	Lat 42°12'21", long 85°35'23", in SE1/4 sec.16, T.03 S., R.11 W., Kalamazoo County, at gaging station at Westnedge Ave., 0.5 mile north of Portage, MI.	16.5	12-01-59	15.5
					10-17-63	10.8
					04-16-64	14.6
					06-02-64	11.5
					07-28-64	8.83
					08-18-64	9.32
					09-15-64	10.9
					10-21-64	10.9
					02-19-65	15.6
					08-05-65	12.8
					10-19-65	13.7
					05-04-66	20.4
					08-30-66	14.7
					05-09-67	25.8
04106190	Portage Creek	Kalamazoo River	Lat 42°12'38", long 85°35'09", in NW1/4 sec.15, T.03 S., R.11 W., Kalamazoo County, at former gaging station on Garden Lane, 0.6 mile north Portage, MI.	18.6	10-19-65	15.0
					05-09-67	31.1
04106250	Portage Creek	Kalamazoo River	Lat 42°13'48", long 85°34'36", in SE1/4 sec.03, T.03 S., R.11 W., Kalamazoo County, at Milham Rd., 2.1 miles north of Portage, MI.	21.3	12-01-59	29.3
					07-28-64	22.9
					08-18-64	22.5
					11-06-64	30.4
					10-19-65	35.9
					05-09-67	42.1
04106275	Portage Creek	Kalamazoo River	Lat 42°14'13", long 85°34'46", in SE1/4 sec.03, T.03 S., R.11 W., Kalamazoo County, at I-94, 2.7 miles north of Portage, MI.	---	08-18-64	23.9
R 04106301	Portage Creek	Kalamazoo River	Lat 42°14'52", long 85°34'28", in SE1/4 sec.34, T.02 S., R.11 W., Kalamazoo County, at Lovers Lane, just above West Fork Portage Creek, at Kalamazoo, MI.	22.6	11-10-59	29.1
					12-01-59	30.8
					07-28-64	18.6
					08-18-64	21.6
					09-14-64	20.6

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04106320	West Fork Portage Creek	Portage Creek	Lat 42°14'07", long 85°38'54", in SE1/4 sec.01, T.03 S., R.12 W., Kalamazoo County, at 12th St., 2.1 miles southeast of Oshtemo, MI.	13.0	11-10-59	7.37
					12-01-59	7.33
					07-28-64	2.92
					08-18-64	4.06
					10-19-65	5.22
					05-08-67	7.88
04106330	West Fork Portage Creek	Portage Creek	Lat 42°15'03", long 85°37'35", in SW1/4 sec.32, T.02 S., R.11 W., Kalamazoo County, above creek from Asylum Lake, at Kalamazoo, MI.	---	11-10-59	8.68
					12-01-59	8.28
R 04106380	West Fork Portage Creek	Portage Creek	Lat 42°14'52", long 85°37'10", in SE1/4 sec.32, T.02 S., R.11 W., Kalamazoo County, at Angling Rd., at Kalamazoo, MI.	---	11-10-59	8.34
					12-01-59	7.98
R 04106405	West Fork Portage Creek	Portage Creek	Lat 42°14'26", long 85°36'14", in NW1/4 sec.04, T.03 S., R.11 W., Kalamazoo County, at Morningside Dr., at Kalamazoo, MI.	---	11-10-59	7.50
					12-01-59	7.67
04106420	West Fork Portage Creek	Portage Creek	Lat 42°14'52", long 85°34'32", in SE1/4 sec.34, T.02 S., R.11 W., Kalamazoo County, at mouth near Lovers Lane, at Kalamazoo, MI.	21.7	11-10-59	6.72
					12-01-59	4.56
					07-28-64	0.53
					08-18-64	0.43
					09-15-64	0.18
					10-19-65	3.33
04106450	Portage Creek	Kalamazoo River	Lat 42°15'34", long 85°34'35", in SW1/4 SE1/4 sec.27, T.02 S., R.11 W., Kalamazoo County, at Cork St., at Kalamazoo, MI.	---	08-16-76	33.8
04106500	Portage Creek	Kalamazoo River	Lat 42°16'27", long 85°34'35", in NW1/4 NE1/4 sec.27, T.02 S., R.11 W., Kalamazoo County, at Reed Ave. at Kalamazoo, MI.	46.8	08-16-46	42.3
					09-17-46	33.8
					10-08-46	43.6
					11-21-46	51.4
					12-17-46	55.2
					01-28-47	58.2
					02-19-47	45.9
					03-12-47	71.1
					08-20-47	58.4
					09-16-47	64.3
					10-29-47	57.0
					11-20-47	59.0
					12-09-47	73.6
					05-09-68	45.2
					05-17-68	53.2
					05-29-68	66.2
					06-14-68	36.0
					07-12-68	41.8
					07-26-68	63.7
					08-23-68	39.3
					07-19-70	47.5
					09-17-70	46.5
					09-17-70	53.1
04106503	Axtell Creek	Portage Creek	Lat 42°16'20", long 85°35'38", in NE1/4 sec.28, T.02 S., R.11 W., Kalamazoo County, at Maple St., at Kalamazoo, MI.	---	08-16-46	0.65
					09-17-46	0.56
					10-08-46	0.54
					11-21-46	0.57
					12-17-46	0.44
					01-29-47	0.44
					02-19-47	0.57
					03-15-47	0.70
					08-20-47	0.35
					09-16-47	0.83
					10-29-47	0.96
					11-20-47	0.88
					12-09-47	0.69
04106505	Axtell Creek	Portage Creek	Lat 42°16'53", long 85°34'43", in SE1/4 sec.22, T.02 S., R.11 W., Kalamazoo County, at Upjohn Park, at Kalamazoo, MI.	---	08-16-46	-1.27
					09-16-47	0.37
					10-29-47	1.26
					11-20-47	0.65
04106507	Portage Creek	Kalamazoo River	Lat 42°17'03", long 85°34'45", in SW1/4 NE1/4 sec.22, T.02 S., R.11 W., Kalamazoo County, at Vine St., at Kalamazoo, MI.	---	10-12-82	42.2

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
R 04106512	Portage Creek	Kalamazoo River	Lat 42°17'40", long 85°34'25", in SE1/4 sec.15, T.02 S., R.11 W., Kalamazoo County, on Kalamazoo Ave., at Kalamazoo, MI.	---	08-16-46	39.4
					09-17-46	43.8
					10-08-46	41.1
					11-21-46	47.4
					12-17-46	53.4
					01-29-47	54.4
					02-19-47	42.7
					03-12-47	59.7
					08-20-47	53.8
					09-16-47	63.9
					10-29-47	57.5
					11-02-47	65.4
					12-09-47	72.0
					05-17-68	58.7
					05-29-68	64.8
					06-14-68	39.4
					07-12-68	48.0
					08-23-68	48.7
					09-17-70	44.6
					09-17-70	56.7
					09-19-70	48.6
					08-22-72	39.1
					08-16-76	44.9
04106515	Kalamazoo River	Lake Michigan	Lat 42°18'11", long 85°34'15", in NE1/4 NE1/4 sec.15, T.02 S., R.11 W., Kalamazoo County, at Patterson St., at Kalamazoo, MI.	---	08-16-76	605
04106550	Spring Valley Lake Outlet	Kalamazoo River	Lat 42°18'12", long 85°34'17", in SE1/4 sec.10, T.02 S., R.11 W., Kalamazoo County, at mouth, at Kalamazoo, MI.	2.58	07-28-64	0.15
					10-18-65	0.27
					05-08-67	2.56
04106599	Kalamazoo River	Lake Michigan	Lat 42°19'55", long 85°34'53", in NW1/4 sec.03, T.02 S., R.11 W., Kalamazoo County, across from G Ave., 0.5 mile west of Parchment, MI.	---	06-27-84	668
					07-31-84	503
04106600	Kalamazoo River	Lake Michigan	Lat 42°20'13", long 85°34'59", in NE1/4 SW1/4 sec.34, T.01 S., R.11 W., Kalamazoo County, 0.2 mile downstream of G Ave. extended, 0.5 mile west of Parchment, MI.	---	08-09-76	618
					08-16-76	639
					08-19-76	616
					09-19-84	617
04106720	Spring Brook	Kalamazoo River	Lat 42°24'02", long 85°30'16", in NE1/4 sec.08, T.01 S., R.10 W., Kalamazoo County, at 27th St., 3.1 miles northwest of Richland, MI.	20.5	07-28-64	0.58
					10-19-65	0.70
					05-08-67	1.94
04106730	Spring Brook	Kalamazoo River	Lat 42°23'01", long 85°31'08", in NW1/4 SE1/4 sec.18, T.01 S., R.10 W., Kalamazoo County, at CD Avenue, 3.0 miles west of Richland, MI.	22.4	07-28-64	3.42
					10-18-65	5.07
					10-27-65	4.67
					05-08-67	8.55
					09-24-68	7.13
					11-23-68	7.23
					03-17-69	8.09
					04-26-69	8.00
					10-04-69	6.99
					04-16-70	7.32
					11-07-70	7.16
					03-04-71	8.73
					05-01-71	8.14
					07-30-71	6.42
					08-30-71	5.46
04106750	Spring Brook	Kalamazoo River	Lat 42°21'24", long 85°33'05", in NW1/4 sec.25, T.01 S., R.11 W., Kalamazoo County, at Riverview Dr., 0.6 mile north of East Cooper, MI.	31.1	08-25-42	19.2
					02-06-64	11.1
					04-16-64	12.4
					06-02-64	10.0
					07-28-64	9.70
					09-15-64	9.62
					02-18-65	11.4
					08-05-65	11.5
					10-18-65	12.3
					05-05-66	15.7
					08-30-66	12.4

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04106750	Spring Brook	Kalamazoo River	Continued		05-08-67	19.2
					09-24-68	16.8
					11-23-68	16.3
					03-17-69	20.0
					04-26-69	18.3
					10-04-69	17.9
					04-16-70	18.3
					11-21-70	20.7
					03-04-71	16.9
					05-01-71	18.1
					06-27-84	15.7
					07-31-84	14.1
					09-19-84	14.6
04106770	Kalamazoo River	Lake Michigan	Lat 42°22'35", long 85°34'47", in SE1/4 sec.15, T.01 S., R.11 W., Kalamazoo County, at D Ave., 1.5 miles east of Cooper Center, MI.	1250	02-19-65	1190
					08-04-65	365
					10-18-65	497
					07-21-66	429
					08-30-66	398
					05-24-68	1330
					09-24-68	936
					07-24-69	1310
					10-04-69	471
					04-16-70	1930
					11-07-70	1250
					03-05-71	2190
					05-01-71	825
04106775	Unnamed tributary	Kalamazoo River	Lat 42°24'27", long 85°35'09", in SW1/4 SW1/4 sec.03, T.01 S., R.11 W., Kalamazoo County, at 4th St., 3.8 miles southeast of Plainwell, MI.	---	02-06-64	0.01
04106780	Unnamed tributary	Kalamazoo River	Lat 42°24'40", long 85°35'09", in NW1/4 SW1/4 sec.03, T.01 S., R.11 W., Kalamazoo County, at 4th St., 3.6 miles southeast of Plainwell, MI.	1.19	02-06-64	0.87
					02-19-65	1.14
04106820	Silver Creek	Kalamazoo River	Lat 42°27'10", long 85°33'47", in SW1/4 SW1/4 sec.24, T.01 N., R.11 W., Allegan County, 0.5 mile northwest of Lake Doster, 1.3 miles southwest of Doster, MI.	---	05-07-74	4.24
					07-19-74	3.14
					09-26-74	2.92
04106825	Silver Creek	Kalamazoo River	Lat 42°26'37", long 85°34'26", in SE1/4 NW1/4 sec.26, T.01 N., R.11 W., Allegan County, 0.6 mile north of State Hwy. M-89, 1.3 miles northeast of Silver Creek, MI.	---	05-07-74	11.2
					06-06-74	19.5
					07-19-74	8.70
					09-26-74	8.40
04106850	Silver Creek	Kalamazoo River	Lat 42°25'02", long 85°35'27", in NE1/4 sec.04, T.02 S., R.11 W., Kalamazoo County, at 4th St., 3.3 miles southeast of Plainwell, MI.	20.5	08-25-42	14.0
					02-07-64	7.97
					04-16-64	8.36
					06-02-64	7.09
					07-28-64	5.60
					09-15-64	6.16
					08-04-65	6.84
					10-19-65	7.99
					05-05-66	14.1
					08-30-66	6.80
					05-08-67	13.8
					06-06-74	27.9
					07-05-74	15.4
					07-19-74	11.1
					09-26-74	10.8
04106900	Kalamazoo River	Lake Michigan	Lat 42°26'33", long 85°38'12", in NE1/4 SW1/4 sec.29, T.01 N., R.11 W., Allegan County, at State Hwy. M-89, at Plainwell, MI.	---	08-09-76	525
					08-16-76	503
04106905	Kalamazoo River Bypass Channel	Lake Michigan	Lat 42°26'33", long 85°38'40", in NE1/4 SE1/4 sec.30, T.01 N., R.11 W., Allegan County, at 103rd Ave., at Plainwell, MI.	---	08-09-76	187
04106906	Kalamazoo River	Lake Michigan	Lat 42°27'00", long 85°39'00", in NW1/4 NE1/4 sec.30, T.01 N., R.11 W., Allegan County, at Plainwell Sewage Treatment Plant, at Plainwell, MI.	---	09-19-84	666

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04107200	Gun River	Kalamazoo River	Lat 42°35'23", long 85°32'25", in NW1/4 sec.06, T.02 N., R.10 W., Barry County, 2.8 miles northeast of Orangeville, MI.	30.0	03-23-43	102
					08-23-44	0.00
					11-20-46	11.4
					12-10-46	14.8
					01-29-47	26.9
					02-17-47	27.6
					03-13-47	20.6
					04-09-47	170
					04-17-47	104
					04-29-47	67.4
					05-06-47	69.3
					06-12-47	48.5
					10-07-47	13.8
					01-08-48	33.5
					05-07-48	57.8
					05-28-48	38.6
					09-07-48	0.00
					12-15-48	31.5
					03-23-49	38.3
					06-20-49	33.3
					09-14-49	0.00
					01-19-50	73.3
					05-03-50	91.6
					07-20-50	22.4
					10-26-50	12.3
					01-18-51	41.1
					07-12-51	25.0
					10-10-51	65.3
					01-10-52	58.4
					06-05-52	42.7
					08-20-52	15.7
					11-06-52	0.00
					02-06-53	20.8
					04-08-53	36.3
					07-08-53	2.22
					10-09-53	0.00
					02-09-54	19.4
					05-05-54	45.8
					06-08-54	22.4
					08-10-54	0.16
					12-21-54	31.4
					03-16-55	46.6
					06-08-55	35.3
					08-17-55	0.00
					10-07-55	0.00
					01-18-56	16.8
					04-13-56	67.8
					07-30-56	7.23
					10-04-56	0.10
					04-08-57	59.2
					07-05-57	14.4
					12-17-57	25.0
					03-25-58	33.9
					06-11-58	8.52
					07-14-58	2.40
					11-06-58	1.86
					05-21-59	34.0
					11-06-59	30.8
					02-04-60	40.4
					05-13-60	48.6
					08-12-60	6.81
					11-10-60	9.22
					03-08-61	70.4
					06-16-61	2.52
					12-08-61	22.2
					03-22-62	51.5
					06-14-62	7.78
					09-13-62	0.00
					12-19-62	20.2
					04-11-63	39.7
					05-16-63	36.4
					09-12-63	0.00
					12-05-63	0.00
					03-05-64	0.00
					06-06-64	2.37
					08-13-64	0.00
					11-12-64	0.00
					03-24-65	52.0
					05-06-65	24.7
					07-28-65	0.00
					09-25-65	22.9
					11-06-65	10.1
					03-15-66	57.5
					07-22-66	0.00
					09-16-66	0.00
					12-27-66	34.7
					03-23-67	24.4
					05-13-67	54.8

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04107200	Gun River	Kalamazoo River	Continued		08-30-67	22.8
					09-20-57	5.89
					10-11-67	14.4
					12-13-67	61.4
					02-20-68	36.8
					04-30-68	24.4
					09-17-68	2.32
					12-07-68	43.0
					04-05-69	74.4
					06-16-69	43.1
					10-25-69	11.5
					12-23-69	21.5
					03-14-70	39.4
04107210	Gun River	Kalamazoo River	Lat 42°33'08", long 85°33'55", in SE1/4 sec.14, T.02 N., R.11 W., Allegan County, 4.0 mile northeast of Martin, MI.	---	08-23-46	10.4
					09-17-46	11.9
					10-08-46	13.5
					11-20-46	38.2
					12-10-46	36.7
					01-28-47	71.6
					02-17-47	59.8
					03-13-47	59.5
					04-09-47	360
					04-24-47	232
					04-29-47	153
					05-06-47	115
					06-12-47	91.7
					10-08-47	35.8
					01-01-48	57.5
04107215	Gun River	Kalamazoo River	Lat 42°32'17", long 85°33'47", in SE1/4 sec.23, T.02 N., R.11 W., Allegan County, at 116th Ave., 4.0 miles east of Martin, MI.	73.3	10-17-63	14.3
					08-18-65	20.5
04107230	Gun River	Kalamazoo River	Lat 42°28'28", long 85°38'30", in SW1/4 NW1/4 sec.17, T.01 N., R.11 W., Allegan County, at 10th St., 1.5 miles north of Plainwell, MI.	---	08-09-76	54.8
04107235	Gun River	Kalamazoo River	Lat 42°28'07", long 85°39'25", in SW1/4 sec.18, T.01 N., R.11 W., Allegan County, at 11th St., 1.0 mile northeast of Otsego, MI.	---	10-12-82	60.6
04107300	Kalamazoo River	Lake Michigan	Lat 42°27'45", long 85°42'07", in NE1/4 NE1/4 sec.22, T.01 N., R.12 W., Allegan County, at North St., at Otsego, MI.	---	10-12-82	840
04107710	Sand Creek	Pine Creek	Lat 42°21'02", long 85°44'43", in SW1/4 sec.29, T.01 S., R.12 W., Kalamazoo County, at 2nd St., 2.0 miles southwest of Alamo, MI.	21.2	07-27-64	5.18
					10-19-65	9.54
					05-09-67	15.8
04107730	Clear Lake Outlet	Base Line Creek	Lat 42°24'55", long 85°49'05", in NW1/4 sec.03, T.01 S., R.13 W., Van Buren County, at 2nd Ave., 3.9 miles north of Kendall, MI.	7.43	09-27-62	0.37
					04-15-63	1.19
					07-09-63	0.06
					10-18-63	0.06
04107740	Pine Creek	Kalamazoo River	Lat 42°24'40", long 85°46'15", in SE1/4 sec.01, T.01 S., R.13 W., Van Buren County, at 2nd Ave., 6.5 miles northeast of Gobles, MI.	9.61	04-24-80	40.5
					05-22-80	37.8
					10-15-80	34.8
					05-11-81	222
					07-08-81	27.1
					10-27-81	40.9
					05-12-82	31.4
					08-11-82	34.7
04107750	Rupert Lake Outlet	Pine Creek	Lat 42°24'53", long 85°44'17", in NE1/4 sec.05, T.01 S., R.12 W., Kalamazoo County, at AB Ave., 5.5 miles southwest of Plainwell, MI.	5.27	02-06-64	5.77
					04-16-64	7.66
					06-02-64	6.71
					07-27-64	4.99
					09-15-64	4.32
					02-19-65	8.66
					08-04-65	4.70
					10-19-65	5.08
					05-05-66	13.0
					08-30-66	6.96
					05-08-67	17.0

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04107770	Unnamed tributary	Pine Creek	Lat 42°25'05", long 85°42'11", in NW1/4 sec.03, T.01 S., R.12 W., Kalamazoo County, at Ravine Rd., 3.0 miles north of Alamo, MI.	7.08	07-27-64 10-27-66 05-08-67	0.00 0.69 3.92
04107780	Pine Creek	Kalamazoo River	Lat 42°27'22", long 85°44'07", in NW1/4 SW1/4 sec.21, T.01 N., R.12 W., Allegan County, at Jefferson Rd., 1.0 mile west of Otsego, MI.	---	08-09-76 10-12-82	34.9 53.0
04107850	Kalamazoo River	Lake Michigan	Lat 42°28'56", long 85°47'54", in NW1/4 SW1/4 sec.12, T.01 N., R.13 W., Allegan County, at 26th St., 3.0 miles southeast of Allegan, MI.	---	08-09-76	781
04108400	Swan Creek	Kalamazoo River	Lat 42°33'08", long 85°58'46", in SE1/4 sec.17, T.02 N., R.14 W., Allegan County, at 118th Ave., near Allegan, MI.	---	10-27-45 04-08-47	17.2 348
04108595	Rabbit River	Kalamazoo River	Lat 42°40'26", long 85°41'02", in SE1/4 sec.02, T.03 N., R.12 W., Allegan County, at 135th Ave., 2.0 miles west of Wayland, MI.	---	08-23-55	9.39
04108620	Little Rabbit River	Rabbit River	Lat 42°43'28", long 85°50'15", in NW1/4 sec.22, T.04 N., R.13 W., Allegan County, at 142nd Ave., 0.5 mile southeast of Burnips, MI.	---	07-26-68	21.3
04108650	Rabbit River	Kalamazoo River	Lat 42°39'38", long 86°04'21", in NW1/4 sec.10, T.03 N., R.15 W., Allegan County, at 133rd Ave., 1.7 miles northeast of New Richmond, MI.	---	04-08-47	1800
04108660	Kalamazoo River	Lake Michigan	Lat 42°39'05", long 86°06'25", in NW1/4 sec.17, T.03 N., R.15 W., Allegan County, at Old Allegan Rd., at New Richmond, MI.	---	04-08-47	10800
04108690	Kalamazoo River	Lake Michigan	Lat 42°38'50", long 86°11'53", in NE1/4 sec.16, T.03 N., R.16 W., Allegan County, 2.8 miles above mouth, at old U.S. Hwy. 31, at Saugatuck, MI.	2020	07-09-74 08-07-74 09-11-74 10-02-74 11-08-74 12-03-74 01-06-75 02-03-75 03-10-75 05-05-75 06-02-75 07-07-75 08-04-75 09-08-75	1240 1050 1620 1410 1540 1870 1290 2620 2460 3560 2940 1340 1090 2920
04108802	Macatawa River	Lake Michigan	Lat 42°47'05", long 86°02'17", in SE1/4 sec.26, T.05 N., R.15 W., Ottawa County, at 104th Ave., at Zeeland, MI.	---	08-14-79	4.11
04108805	North Branch Macatawa River	Macatawa River	Lat 42°47'00", long 86°02'18", in SE1/4 sec.26, T.05 N., R.15 W., Ottawa County, at Adams Rd., 1.5 miles southwest of Zeeland, MI.	---	06-09-82 07-06-82	1.50 0.56
04108810	Bosch and Hulst Drain	Macatawa River	Lat 42°48'46", long 86°02'18", in SW1/4 SW1/4 sec.13, T.05 N., R.15 W., Ottawa County, at 104th Ave., 1.0 mile west of Zeeland, MI.	---	09-09-60 04-22-82 05-13-82 06-09-82 07-06-82	1.21 9.70 3.62 2.40 1.83
04108812	Bosch and Hulst Drain	Macatawa River	Lat 42°48'18", long 86°02'38", in SE1/4 sec.23, T.05 N., R.15 W., Ottawa County, at State Hwy. M-21, 1.0 mile southwest of Zeeland, MI.	---	09-09-60	2.69

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04108815	Macatawa River	Lake Michigan	Lat 42°47'52", long 86°03'17", in NW1/4 sec.26, T.05 N., R.15 W., Ottawa County, near 112th Ave., 2.0 miles east of Holland, MI.	---	12-06-48	8.69
04108825	Unnamed tributary	Macatawa River	Lat 42°48'12", long 86°05'05", in NW1/4 SE1/4 sec.21, T.05 N., R.15 W., Ottawa County, at U.S. Hwy. 31, at Holland, MI.	---	06-07-72	2.07
					06-14-72	2.11
04108830	Unnamed tributary	Unnamed tributary	Lat 42°48'15", long 86°04'58", in NE1/4 SE1/4 sec.21, T.05 N., R.15 W., Ottawa County, at Lakewood Blvd., at Holland, MI.	---	06-07-72	0.23
					06-14-72	0.25
04108840	Pine Creek	Lake Macatawa	Lat 42°48'42", long 86°08'59", in NE1/4 NW1/4 sec.24, T.05 N., R.16 W., Ottawa County, at James St., 0.5 miles northwest of Tasmas Corners, MI.	---	04-22-82	26.0
					05-13-82	11.0
					06-09-82	11.0
					07-06-82	7.78
04108890	Grand River	Lake Michigan	Lat 42°04'22", long 84°25'37", in NE1/4 sec.04, T.05 S., R.01 W., Hillsdale County, at Vicary Rd., 1.5 miles northwest of Somerset Center, MI.	---	09-06-60	0.24
04108894	Grand River	Lake Michigan	Lat 42°05'22", long 84°25'19", in SW1/4 SW1/4 sec.27, T.04 S., R.01 W., Jackson County, at Sutfin Rd., 1.3 miles southwest of Liberty, MI.	---	01-13-73	9.42
04108900	Grand River	Lake Michigan	Lat 42°10'08", long 84°23'02", in SE1/4 NE1/4 sec.35, T.03 S., R.01 W., Jackson County, at Draper Rd., 2.0 miles south of Vandercook, MI.	41.0	10-19-60	29.2
					07-10-63	4.15
					08-13-63	5.15
					09-19-63	3.55
					10-16-63	4.14
					06-03-64	5.39
					08-19-64	2.67
					12-31-64	13.0
					02-19-65	10.2
					07-27-65	10.2
					09-27-74	12.0
					01-07-75	27.2
					03-25-76	67.3
					06-22-76	32.8
					04-14-77	31.0
					07-15-77	6.67
					08-02-77	4.86
					04-05-78	95.7
					04-17-79	55.3
04108925	Grand River	Lake Michigan	Lat 42°13'03", long 84°21'03", in NE1/4 NE1/4 sec.18, T.03 S., R.01 E., Jackson County, at South St., 2.8 miles northeast of Vandercook, MI.	---	07-15-77	10.3
					08-02-77	5.60
04108940	Center Lake Outlet	Grand River	Lat 42°13'44", long 84°19'38", in NE1/4 NE1/4 sec.08, T.03 S., R.01 E., Jackson County, at Hoyer Rd., 0.3 mile south of Michigan Center, MI.	---	07-10-63	0.05
					07-15-77	1.77
					08-02-77	1.30
04108945	Grand River	Lake Michigan	Lat 42°13'56", long 84°22'50", in NW1/4 sec.12, T.03 S., R.01 W., Jackson County, at Losey St., at Jackson, MI.	---	06-20-63	20.7
04108948	Grand River	Lake Michigan	Lat 42°14'17", long 84°23'34", in NW1/4 SE1/4 sec.02, T.03 S., R.01 W., Jackson County, at Penn Central R.R., at Jackson, MI.	---	08-02-77	11.3
04108950	Grand River	Lake Michigan	Lat 42°14'47", long 84°23'57", in NW1/4 sec.02, T.03 S., R.01 W., Jackson County, 550 feet upstream of Liberty St., at Jackson, MI.	---	09-05-62	17.9
					09-06-62	16.5

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
R 04108952	Grand River	Lake Michigan	Lat 42°14'56", long 84°24'22", in SE1/4 sec.34, T.02 S., R.01 W., Jackson County, at Mechanic St., at Jackson, MI.	---	06-15-62	39.5
					07-02-62	26.3
					07-20-62	27.9
					09-05-62	18.4
					09-06-62	18.6
					09-18-62	36.0
					09-19-62	34.7
					09-21-62	32.0
					06-19-63	28.7
R 04108956	Grand River	Lake Michigan	Lat 42°15'32", long 84°24'30", in NE1/4 sec.34, T.02 S., R.01 W., Jackson County, at North St., at Jackson, MI.	---	06-15-62	40.8
04109100	Tobin Snyder Drain	Grand River	Lat 42°18'23", long 84°24'48", in SW1/4 SE1/4 sec.10, T.02 S., R.01 W., Jackson County, at Lansing Ave., 4.0 miles north of Jackson, MI.	---	11-30-62	0.37
04109300	Portage Lake Inlet	Portage River	Lat 42°19'18", long 84°13'48", in SE1/4 sec.06, T.02 S., R.02 E., Jackson County, at Seymour Ave., near Munith, MI.	---	03-30-44	4.47
					06-09-44	3.23
					07-27-44	2.36
					08-30-44	1.92
					08-30-44	1.73
					10-05-44	0.32
					03-09-45	2.98
					04-06-45	3.45
					05-20-45	3.98
					05-23-45	4.05
					05-26-45	4.45
					04-09-46	3.27
					05-17-46	7.07
					09-13-46	1.45
					03-21-47	3.78
					04-04-47	6.40
					04-11-47	8.73
					04-15-47	2.78
					10-30-47	5.31
					05-19-48	4.49
					08-27-48	1.95
					11-29-48	2.42
					03-15-49	2.19
					06-20-49	2.53
					09-27-49	2.03
					01-24-50	4.72
					04-18-50	5.50
					07-21-50	3.84
					11-06-50	2.96
					02-22-51	5.17
					05-15-51	3.18
					08-27-51	2.47
					11-28-51	3.18
					02-25-52	3.74
					06-11-52	2.46
					08-04-52	2.44
					10-22-52	2.17
					01-31-53	2.06
					04-25-53	4.20
					08-19-53	1.40
					10-31-53	1.81
					03-09-54	3.40
					05-20-54	2.62
					08-30-54	1.68
					11-20-54	4.91
					02-24-55	3.09
					04-30-55	3.20
					08-10-55	2.13
					10-22-55	2.24
					01-26-56	1.83
					04-11-56	3.42
					07-19-56	2.62
04109400	Winnewana Impoundment Outlet	Portage River	Lat 42°20'52", long 84°06'44", in NW1/4 sec.32, T.01 S., R.03 E., Washtenaw County, at Waterloo Rd., 2.0 miles southeast of Waterloo, MI.	---	03-13-57	6.21
					05-09-57	0.64
					05-29-57	1.74
					08-14-57	0.14
					08-17-70	0.28
					08-09-71	0.22
					11-01-79	0.39

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04109480	Portage River	Grand River	Lat 42°21'57", long 84°12'37", in SW1/4 sec.21, T.01 S., R.02 E., Jackson County, at Mt. Hope Rd., near Munith, MI.	---	03-30-44	56.7
					06-09-44	20.8
					07-27-44	0.75
					08-30-44	0.15
					10-05-44	2.33
					03-09-45	51.9
					04-06-45	95.8
					05-20-45	175
					05-23-45	94.4
					05-26-45	50.5
					04-09-46	12.5
					05-17-46	20.3
					01-23-47	4.17
					03-21-47	31.5
					04-04-47	195
					04-11-47	165
					04-15-47	126
					05-17-47	59.6
					10-30-47	25.4
					01-16-48	9.32
					05-19-48	46.1
					08-27-48	0.00
					11-29-48	13.7
					03-15-49	31.6
					06-20-49	27.6
					09-27-49	1.22
					01-24-50	36.4
					04-18-50	48.0
					07-21-50	10.5
					11-06-50	17.3
					02-22-51	187
					08-27-51	3.62
					11-15-51	58.2
					11-28-51	21.4
					02-25-52	14.4
					06-11-52	14.5
					08-04-52	1.17
					10-23-52	2.26
					01-31-53	8.91
					06-03-53	4.18
					08-19-53	1.35
					10-31-53	1.36
					03-09-54	46.2
					05-20-54	9.39
					08-30-54	3.39
					11-20-54	37.3
					02-24-55	35.6
					04-30-55	24.2
					08-12-55	0.97
					10-22-55	2.13
					01-26-56	2.15
					04-11-56	51.9
					07-19-56	3.40
04109490	Trist Branch Portage River	Portage River	Lat 42°20'13", long 84°12'36", in SW1/4 sec.33, T.01 S., R.02 E., Jackson County, at Mt. Hope Rd., near Munith, MI.	---	03-30-44	30.1
					06-09-44	7.31
					07-27-44	3.12
					08-30-44	2.34
					10-05-44	3.20
					03-09-45	18.6
					04-06-45	35.6
					05-20-45	81.9
					05-23-45	36.6
					05-26-45	25.0
					04-09-46	10.6
					05-17-46	30.3
					09-13-46	1.20
					01-23-47	12.6
					03-21-47	18.9
					04-04-47	72.4
					04-11-47	75.4
					04-15-47	42.5
					05-17-47	45.0
					10-30-47	19.5
					01-16-48	13.8
					05-19-48	26.0
					08-27-48	1.94
					11-29-48	10.2
					03-18-49	16.7
					06-20-49	27.7
					09-27-49	2.66
					01-24-50	25.6
					04-18-50	35.7
					07-21-50	26.5
					11-06-50	9.09
					02-22-51	85.8
					05-15-51	24.6
					08-27-51	7.32

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04109490	Trist Branch Portage River	Portage River	Continued		11-28-51	14.7
					02-25-52	14.2
					06-11-52	6.67
					08-04-52	4.17
					10-23-52	3.97
					01-31-53	8.06
					06-03-53	3.50
					08-19-53	2.08
					10-31-53	2.89
					03-09-54	17.3
					05-20-54	8.20
					08-30-54	4.07
					11-20-54	26.0
					02-04-55	18.4
					04-30-55	15.7
					08-10-55	10.2
					10-22-55	6.03
					04-11-56	24.0
					07-19-56	7.66
04110000	Orchard Creek	Portage River	Lat 42°23'35", long 84°15'50", in SW1/4 sec.12, T.01 S., R.01 E., Jackson County, at former gaging station, at State Hwy. M-106, 0.5 mile west of Munith, MI.	---	10-15-56	4.55
04110500	Portage River	Grand River	Lat 42°20'59", long 84°15'48", in SW1/4 sec.25, T.01 S., R.01 E., Jackson County, at Dunn Rd., 3.0 miles south of Munith, MI.	---	03-21-47	134
					04-04-47	539
					04-11-47	824
					04-15-47	489
					10-30-47	97.5
					08-27-48	9.09
					11-29-49	46.4
					03-15-50	69.2
04110600	Batteese Creek	Portage River	Lat 42°21'33", long 84°17'32", in NE1/4 sec.27, T.01 S., R.01 E., Jackson County, at Coon Hill Rd., 3.2 miles southeast of Henrietta, MI.	23.8	07-10-63	1.15
					08-13-63	0.69
					09-19-63	0.16
					10-16-63	0.04
					06-03-64	3.33
					08-19-64	1.07
					12-31-64	4.12
					02-19-65	19.0
					07-27-65	0.56
04110605	Portage River	Grand River	Lat 42°19'53", long 84°18'23", in NW1/4 sec.03, T.02 S., R.01 E., Jackson County, at Wooster Rd., 7.5 miles northeast of Jackson, MI.	---	09-07-60	10.1
					09-29-60	21.1
					10-19-60	29.2
					09-05-62	6.23
					11-30-62	24.8
					09-10-63	4.60
04110610	Portage River	Grand River	Lat 42°19'18", long 84°20'22", in SE1/4 sec.05, T.02 S., R.01 E., Jackson County, at Hawkins Rd., 4.0 miles south of Henrietta, MI.	---	09-10-63	7.40
					08-02-77	15.1
					10-06-77	33.6
04110625	Twin Lakes	Grand River	Lat 42°21'12", long 84°23'03", in SE1/4 sec.26, T.01 S., R.01 W., Jackson County, at Cooper St., 2.0 miles southwest of Henrietta, MI.	---	11-30-62	0.19
04110630	Allen Lake Outlet	Grand River	Lat 42°22'42", long 84°23'42", in SW1/4 sec.14, T.01 S., R.01 W., Jackson County, at Berry Rd., 2.0 miles east of Rives Junction, MI.	---	11-30-62	0.34
04110635	Western Creek	Grand River	Lat 42°23'56", long 84°23'38", in SW1/4 sec.11, T.01 S., R.01 W., Jackson County, at Easton Rd., 2.8 miles northeast of Rives Junction, MI.	---	07-19-62	0.62
					11-30-62	1.22
04110640	Unnamed tributary	Grand River	Lat 42°23'36", long 84°24'47", in SE1/4 sec.10, T.01 S., R.01 W., Jackson County, at Lansing Ave., 2.5 miles northeast of Rives Junction, MI.	---	11-30-62	0.01
					08-02-77	48.3
04110645	Royston Drain	Huntoon Creek	Lat 42°27'04", long 84°25'39", in SE1/4 SE1/4 sec.20, T.01 N., R.01 W., Ingham County, at Bellevue Rd., at Leslie, MI.	---	08-02-77	0.91

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04110650	Huntoon Creek	Grand River	Lat 42°26'12", long 84°26'12", in SW1/4 sec.28, T.01 N., R.01 W., Ingham County, at Olds Rd., 1.1 miles southwest of Leslie, MI.	11.2	08-17-55	1.47
					06-05-64	1.64
					08-19-64	1.08
					10-06-64	1.45
					04-24-65	11.8
					05-19-65	4.70
					07-29-65	1.54
					05-25-66	9.17
					09-22-66	2.51
					08-10-67	2.32
04110655	Huntoon Creek	Grand River	Lat 42°24'42", long 84°26'22", in SW1/4 sec.04, T.01 S., R.01 W., Jackson County, at Territorial Rd., 2.2 miles north of River Junction, MI.	---	07-19-62	1.97
					11-30-62	3.95
04110660	Grand River	Lake Michigan	Lat 42°24'13", long 84°26'37", in NW1/4 sec.09, T.01 S., R.01 W., Jackson County, 400 feet upstream of Churchill Rd., 1.8 miles northeast of Rives Junction, MI.	---	09-19-62	91.2
					09-20-62	81.2
					09-21-62	76.4
04110670	Perry Creek	Grand River	Lat 42°24'42", long 84°28'27", in SW1/4 sec.06, T.01 S., R.01 W., Jackson County, at Territorial Rd., 2.8 miles northwest of Rives Junction, MI.	---	07-19-62	1.13
					11-30-62	1.75
04110675	Grand River	Lake Michigan	Lat 42°24'13", long 84°29'09", in NE1/4 sec.12, T.01 S., R.02 W., Jackson County, at Rives-Eaton Rd., 2.5 miles northwest of Rives Junction, MI.	---	07-19-62	73.9
					11-30-62	86.9
04110676	Grand River	Lake Michigan	Lat 42°23'49", long 84°29'22", in SW1/4 sec.12, T.01 S., R.02 W., Jackson County, 100 feet upstream of Penn Central R.R., 3.0 miles northeast of Tompkins Center, MI.	---	09-05-62	47.6
					09-06-62	48.8
04110689	Sandstone Creek	Grand River	Lat 42°13'58", long 84°29'27", in NE1/4 sec.12, T.03 S., R.02 W., Jackson County, at McCain Rd., 3.0 miles west of Jackson, MI.	---	04-11-66	17.1
					06-01-66	8.20
					09-09-66	5.22
					04-06-67	33.8
04110690	Sandstone Creek	Grand River	Lat 42°14'29", long 84°29'21", in NE1/4 sec.01, T.03 S., R.02 W., Jackson County, at O'Brien Rd., 4.4 miles west of Jackson, MI.	29.8	02-05-66	6.76
					02-26-66	7.78
					04-01-66	17.6
					04-19-66	9.38
					05-21-66	18.0
					06-29-66	10.9
					07-28-66	4.32
					08-25-66	6.52
					09-12-66	5.35
					10-01-66	5.49
					08-10-67	7.83
					10-06-67	8.83
					03-06-68	15.2
					05-03-68	12.6
					09-03-68	12.0
					11-29-68	31.6
04110695	Sandstone Blackman Drain	Sandstone Creek	Lat 42°15'12", long 84°29'24", in SE1/4 sec.36, T.02 S., R.02 W., Jackson County, at O'Brien Rd., 4.4 miles west of Jackson, MI.	4.17	11-23-68	1.83
04110696	Sandstone Creek	Grand River	Lat 42°15'43", long 84°32'14", in NW1/4 sec.34, T.02 S., R.02 W., Jackson County, at Cuff Rd., 3.0 miles east of Parma, MI.	---	04-11-66	41.2
					06-01-66	11.2
					09-09-66	6.32
04110698	Sandstone Creek	Grand River	Lat 42°17'43", long 84°33'38", in SW1/4 sec.16, T.02 S., R.02 W., Jackson County, at Benn Rd., 3.3 miles northeast of Parma, MI.	---	04-11-66	41.2
					06-01-66	20.0
					09-09-66	8.88
					04-06-67	125

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04110700	Sandstone Creek	Grand River	Lat 42°22'23", long 84°32'42", in NE1/4 sec.21, T.01 S., R.02 W., Jackson County, at State Hwy. M-50, at Tompkins Center, MI.	91.2	08-16-55	19.4
					09-06-60	21.2
					09-29-60	27.5
					10-19-60	35.8
					07-19-62	19.5
					09-05-62	13.5
					09-06-62	12.0
					11-30-62	21.6
					07-10-63	9.36
					08-13-63	11.4
					09-19-63	6.98
					10-16-63	10.8
					06-04-64	13.4
					08-19-64	8.20
					12-31-64	26.2
					02-19-65	42.2
					07-27-65	15.6
					04-11-66	47.6
					06-01-66	28.6
					09-09-66	13.6
					04-06-67	155
04110710	Grand River	Lake Michigan	Lat 42°23'26", long 84°32'31", in NW1/4 sec.15, T.01 S., R.02 W., Jackson County, at Tompkins Rd., 1.0 mile north of Tompkins Center, MI.	---	11-30-62	117
					08-02-77	73.3
04110888	Spring Brook	Grand River	Lat 42°18'58", long 84°39'39", in NE1/4 sec.09, T.02 S., R.03 W., Jackson County, at Devereaux Rd., 2.3 miles east of Devereaux, MI.	---	08-14-64	0.83
04110897	Spring Brook	Grand River	Lat 42°27'55", long 84°39'52", in SW1/4 SE1/4 sec.16, T.01 N., R.03 W., Eaton County, at Holmes Hwy., 2.0 miles south of Eaton Rapids, MI.	---	03-04-76	214
					03-08-79	252
04110900	Spring Brook	Grand River	Lat 42°29'32", long 84°41'18", in NE1/4 sec.08, T.01 N., R.03 W., Eaton County, at Spicerville Hwy., 1.6 miles southwest of Eaton Rapids, MI.	57.0	09-06-60	6.40
					09-29-60	8.93
					10-17-60	17.3
					07-10-63	3.18
					08-13-63	4.47
					09-19-63	2.23
					10-16-63	3.04
					06-04-64	5.32
					08-19-64	3.88
					12-31-64	18.7
					02-19-65	36.6
					05-22-65	12.9
					07-27-65	3.98
04110910	Hobart Drain	Spring Brook	Lat 42°29'27", long 84°39'35", in NW1/4 sec.10, T.01 N., R.03 W., Eaton County, at State Hwy. M-99, 1.2 miles south of Eaton Rapids, MI.	2.80	09-15-65	0.36
					11-27-65	1.57
					01-05-66	1.27
					03-21-66	2.08
					04-16-66	1.25
					06-29-66	0.65
					09-22-66	0.39
					08-09-67	0.39
					10-06-67	0.54
					03-06-68	1.14
					05-01-68	0.04
					09-03-68	1.16
					11-23-68	1.74
					03-12-69	1.18
					10-18-69	0.98
					04-25-70	4.35
					07-30-71	0.51
					11-13-71	0.63
					08-03-72	0.91
04111030	Grand River	Lake Michigan	Lat 42°37'51", long 84°37'21", in NW1/4 SW1/4 sec.24, T.03 N., R.03 W., Eaton County, at State Hwy. M-99, 1.5 miles southeast of Dimondale, MI.	---	11-24-75	387
					08-25-81	176

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04111033	Grand River	Lake Michigan	Lat 42°38'44", long 84°39'02", in SE1/4 sec.15, T.03 N., R.03 W., Eaton County, at Bridge St., at Dimondale, MI.	---	11-22-74	293
					02-24-75	1780
					03-31-75	1140
					04-14-75	1080
					04-30-75	1660
					05-05-75	1260
					05-20-75	682
					06-11-75	454
					06-26-75	485
					08-26-75	274
					09-15-75	772
					09-25-75	360
					10-02-75	381
					10-13-75	436
					11-06-75	339
					12-11-75	815
					02-10-76	465
					02-26-76	2120
					03-23-76	1460
04111038	Silver Creek	Grand River	Lat 42°38'33", long 84°39'42", in SE1/4 SE1/4 sec.16, T.03 N., R.03 W., Eaton County, at Canal Rd., 0.7 mile southwest of Dimondale, MI.	---	05-03-72	2.68
04111043	Whaley Drain	Silver Creek	Lat 42°38'56", long 84°39'42", in SE1/4 NE1/4 sec.16, T.03 N., R.03 W., Eaton County, at Canal Rd., 0.6 mile west of Diamondale, MI.	---	05-03-72	4.55
04111044	Silver Creek	Grand River	Lat 42°38'52", long 84°39'32", in SE1/4 NE1/4 sec.15, T.03 N., R.03 W., Eaton County, below Whaley Drain, at Dimondale, MI.	---	08-25-81	0.79
04111045	Grand River	Lake Michigan	Lat 42°38'51", long 84°39'07", in SW1/4 NE1/4 sec.15, T.03 N., R.03 W., Eaton County, 100 feet below dam at Dimondale, MI.	---	10-24-74	157
					11-08-74	374
					12-03-74	289
					12-16-74	442
					01-17-75	650
					01-31-75	749
					02-14-75	299
					07-17-75	170
					07-28-75	215
					08-06-75	154
04111055	Grand River	Lake Michigan	Lat 42°43'46", long 84°33'39", in SW1/4 sec.21, T.04 N., R.02 W., Ingham County, at Moores Park Dam, at Lansing, MI.	---	09-10-63	88.9
R 04111140	Red Cedar River	Grand River	Lat 42°38'28", long 84°04'21", in NE1/4 NE1/4 sec.22, T.03 N., R.03 E., Livingston County, at Fowlerville Rd., 1.5 miles south of Fowlerville, MI.	---	10-18-60	5.57
					10-02-74	4.53
					12-13-74	13.3
R 04111150	Middle Branch Red Cedar River	Red Cedar River	Lat 42°36'49", long 84°04'52", in SE1/4 sec.27, T.03 N., R.03 E., Livingston County, at Sargent Rd., 2.5 miles south of Fowlerville, MI.	---	10-18-60	3.97
04111160	Red Cedar River	Grand River	Lat 42°38'35", long 84°04'52", in SW1/4 SE1/4 sec.15, T.03 N., R.03 E., Livingston County, at Van Buren Rd., 1.2 miles south of Fowlerville, MI.	---	10-06-60	5.12
					10-07-60	8.29
04111163	Red Cedar River	Grand River	Lat 42°39'18", long 84°04'47", in NW1/4 NE1/4 sec.15, T.03 N., R.03 E., Livingston County, at Garden Lane Rd., at Fowlerville, MI.	---	10-05-82	8.39
04111164	Red Cedar River	Grand River	Lat 42°39'26", long 84°04'43", in SW1/4 SE1/4 sec.10, T.03 N., R.03 E., Livingston County, at railroad bridge, at Fowlerville, MI.	---	11-01-71	6.84
					11-05-71	8.81

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements: Date	Measurements: Discharge (ft^3/s)
04111165	Red Cedar River	Grand River	Lat 42°39'40", long 84°04'50", in SW1/4 SE1/4 sec.10, T.03 N., R.03 E., Livingston County, at Grand River Rd., at Fowlerville, MI.	---	11-08-78 04-08-80	10.8 149
04111170	Red Cedar River	Grand River	Lat 42°40'00", long 84°05'00", in SW1/4 NE1/4 sec.10, T.03 N., R.03 E., Livingston County, at sewage disposal pond, 0.6 mile north of Grand River Rd., at Fowlerville, MI.	---	09-27-76	13.8
04111180	Red Cedar River	Grand River	Lat 42°40'37", long 84°05'37", in NW1/4 SW1/4 sec.03, T.03 N., R.03 E., Livingston County, at Gregory Rd., 1.6 miles northwest of Fowlerville, MI.	---	10-05-82	12.1
04111200	Red Cedar River	Grand River	Lat 42°41'01", long 84°06'49", in NE1/4 sec.05, T.03 N., R.03 E., Livingston County, at Nicholson Rd., 2.6 miles northwest of Fowlerville, MI.	71.2	10-06-60 10-07-60 10-18-60 07-10-63 08-14-63 09-19-63 10-16-63 03-23-64 06-03-64 08-20-64 02-19-65 08-03-65	9.63 9.54 11.8 5.52 5.34 4.01 4.01 17.7 6.92 3.96 22.0 3.45
04111205	Red Cedar River	Grand River	Lat 42°41'12", long 84°08'12", in SE1/4 SE1/4 sec.31, T.04 N., R.03 E., Livingston County, at Stow Rd., 3.0 miles northwest of Fowlerville, MI.	---	11-08-78 04-08-80 10-05-82	14.2 222 11.9
04111265	West Branch Red Cedar River	Red Cedar River	Lat 42°40'03", long 84°08'27", in SE1/4 NW1/4 sec.07, T.03 N., R.03 E., Livingston County, at State Hwy. M-43, 3.5 miles west of Fowlerville, MI.	---	06-24-81 08-06-81 08-12-81	98.0 31.0 29.3
04111300	Kalamink Creek	Red Cedar River	Lat 42°40'23", long 84°10'45", in SE1/4 sec.02, T.03 N., R.02 E., Ingham County, at Pardee Rd., 0.5 mile north of Webberville, MI.	16.5	06-08-64 08-20-64 10-05-64 02-19-65 05-29-65 08-11-65 05-24-66 09-21-66 08-10-67	2.03 1.34 1.23 3.34 3.21 1.09 8.76 1.75 1.82
04111350	Wolf Creek	Red Cedar River	Lat 42°41'08", long 84°11'08", in SW1/4 sec.35, T.04 N., R.02 E., Ingham County, at Allen Rd., 1.0 mile north of Webberville, MI.	---	07-10-63	0.40
R 04111379	Red Cedar River	Grand River	Lat 42°40'59", long 84°13'09", in NE1/4 sec.04, T.03 N., R.02 E., Ingham County, at State Hwy. M-52, 3.5 miles east of Williamston, MI.	163	07-08-63	15.6
R 04111381	Red Cedar River	Grand River	Lat 42°41'13", long 84°13'47", in SE1/4 sec.32, T.04 N., R.02 E., Ingham County, 300 feet below Dietz Rd., 3.0 miles east of Williamston, MI.	---	09-13-55	12.2
04111400	Squaw Creek	Red Cedar River	Lat 42°41'37", long 84°14'32", in NW1/4 sec.32, T.04 N., R.02 E., Ingham County, at Rowley Rd., 2.2 miles east of Williamston, MI.	6.08	06-05-64 08-20-64 10-05-64 02-19-65 05-29-65 08-11-65 05-24-66 09-21-66 08-10-67	0.26 0.01 0.08 2.51 0.31 0.00 1.74 0.06 0.10

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04111410	Doan Creek	Red Cedar River	Lat 42°40'27", long 84°14'38", in NW1/4 sec.08, T.03 N., R.02 E., Ingham County, at Linn Rd., 2.3 miles southeast of Williamston, MI.	54.8	09-13-55 06-05-64 08-20-64 10-05-64 02-19-65 05-22-65 08-11-65 05-24-66 09-21-66 08-10-67	2.20 3.83 2.38 2.15 17.4 9.77 2.50 26.8 4.00 1.11
04111425	Red Cedar River	Grand River	Lat 42°41'17", long 84°17'22", in SW1/4 SE1/4 sec.35, T.04 N., R.01 E., Ingham County, above Deer Creek at Grand River Rd., at Williamston, MI.	---	08-12-81 08-10-83	28.3 33.0
04111505	Deer Creek	Red Cedar River	Lat 42°36'49", long 84°19'00", in NW1/4 NW1/4 sec.34, T.03 N., R.01 E., Ingham County, at Waldo Rd., 4.0 miles north of Dansville, MI.	---	09-30-76	0.88
04111600	Deer Creek	Red Cedar River	Lat 42°41'16", long 84°17'23", in SW1/4 SE1/4 sec.35, T.04 N., R.01 E., Ingham County, at State Hwy. M-43, at Williamston, MI.	---	08-12-81	2.44
04111610	Unnamed tributary	Red Cedar River	Lat 42°42'04", long 84°17'03", in SE1/4 SE1/4 sec.26, T.04 N., R.01 E., Ingham County, at Williamston Rd., 1.1 mile north of Williamston, MI.	1.20	09-13-65 09-04-67	0.19 0.47
04111611	Unnamed tributary	Red Cedar River	Lat 42°41'37", long 84°17'12", in SE1/4 sec.35, T.04 N., R.01 E., Ingham County, at Rowley Rd., at Williamston, MI.	1.73	09-13-65 09-04-67	0.23 0.55
04111620	Unnamed tributary	Red Cedar River	Lat 42°41'17", long 84°18'08", in SW1/4 SW1/4 sec.35, T.04 N., R.01 E., Ingham County, 0.1 mile east of Corwin Rd., at Williamston, MI.	---	08-12-81	0.34
04111630	Coon Creek	Red Cedar River	Lat 42°42'55", long 84°18'02", in NW1/4 sec.26, T.04 N., R.01 E., Ingham County, at Sherwood Rd., 2.0 miles north of Williamston, MI.	4.79	09-13-65	0.37
04111640	Red Cedar River	Grand River	Lat 42°42'25", long 84°18'52", in NE1/4 SW1/4 sec.27, T.04 N., R.01 E., Ingham County, at Zimmer Rd., 2.0 miles northwest of Williamston, MI.	---	08-12-81	28.8
04112400	Red Cedar River	Grand River	Lat 42°42'47", long 84°25'52", in SE1/4 sec.21, T.04 N., R.01 W., Ingham County, 200 feet above Okemos Rd., at Okemos, MI.	---	09-13-55	7.80
04112401	Red Cedar River	Grand River	Lat 42°43'20", long 84°26'36", in NE1/4 NW1/4 sec.21, T.04 N., R.01 W., Ingham County, at Indian Hills Golf Course, at Okemos, MI.	---	07-15-77	27.0
04112415	Lake Lansing Outlet	Red Cedar River	Lat 42°45'42", long 84°24'45", in SE1/4 sec.03, T.04 N., R.01 W., Ingham County, at Marsh Rd., near Haslett, MI.	---	04-24-47 02-13-48 04-04-48 04-04-48 06-08-48 08-23-48 12-02-48 03-29-49 06-23-49 06-24-49 09-28-49 09-08-50	13.0 1.02 1.58 1.87 0.95 0.00 0.00 4.35 0.90 0.77 0.00 0.68

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04112555	Red Cedar River	Grand River	Lat 42°43'31", long 84°31'05", in NW1/4 NE1/4 sec.23, T.04 N., R.02 W., Ingham County, at I-496 overpass, at East Lansing, MI.	---	08-12-81	44.0
					08-25-81	34.5
04112692	Sycamore Creek	Red Cedar River	Lat 42°35'00", long 84°26'38", in SE1/4 sec.05, T.02 N., R.01 W., Ingham County, 175 feet upstream of wastewater treatment plant, at Mason, MI.	33.0	03-03-53	9.89
					03-30-71	22.7
04112694	Unnamed tributary	Sycamore Creek	Lat 42°35'00", long 84°26'30", in SW1/4 sec.04, T.02 N., R.01 W., Ingham County, at North Jefferson Ave., at Mason, MI.	---	03-30-71	2.16
04112700	Sycamore Creek	Red Cedar River	Lat 42°36'38", long 84°27'58", in NE1/4 NE1/4 sec.31, T.03 N., R.01 W., Ingham County, at Harper Rd., 2.6 miles northwest of Mason, MI.	39.5	08-16-55	3.91
					06-05-64	4.05
					10-05-64	3.41
					04-24-65	23.1
					05-22-65	7.71
					07-27-65	2.03
					05-25-66	21.1
					08-19-66	6.16
					08-10-67	4.20
04112800	Mud Creek	Sycamore Creek	Lat 42°37'33", long 84°27'27", in NW1/4 sec.29, T.03 N., R.01 W., Ingham County, at Phillips Rd., 3.3 miles north of Mason, MI.	30.8	08-16-55	1.98
					06-05-64	1.61
					10-05-64	1.15
					04-24-65	21.4
					05-22-65	4.05
					07-29-65	0.50
					05-25-66	11.3
					08-19-66	3.47
					08-10-67	1.98
04112850	Sycamore Creek	Red Cedar River	Lat 42°38'25", long 84°28'55", in NW1/4 NW1/4 sec.19, T.03 N., R.01 W., Ingham County, at Holt Rd., 1.7 miles east of Holt, MI.	---	08-28-73	11.4
					01-07-75	26.0
04112900	Sycamore Creek	Red Cedar River	Lat 42°41'03", long 84°31'24", in SE1/4 sec.34, T.04 N., R.02 W., Ingham County, at Aurelius Rd., at Lansing, MI.	96.2	08-14-63	5.66
					09-19-63	4.46
					10-16-63	4.72
					03-23-64	14.0
					06-03-64	9.65
					09-04-64	5.14
					02-10-65	578
					02-19-65	62.7
					07-29-65	3.53
					08-12-81	17.0
					08-25-81	7.86
04112906	Sycamore Creek	Red Cedar River	Lat 42°41'28", long 84°31'59", in NE1/4 sec.34, T.04 N., R.02 W., Ingham County, 500 feet north of Cavanaugh Rd., at Lansing, MI.	---	06-03-66	25.1
04112908	Sycamore Creek	Red Cedar River	Lat 42°42'03", long 84°31'57", in SE1/4 sec.27, T.04 N., R.02 W., Ingham County, 0.8 mile north of Cavanaugh Rd., at Lansing, MI.	---	06-03-66	27.4
04113050	Grand River	Lake Michigan	Lat 42°46'05", long 84°40'08", in SE1/4 sec.03, T.04 N., R.03 W., Eaton County, at Webster St., at Delta Mills, MI.	---	10-07-74	271
					10-24-74	250
					11-08-74	449
					11-22-74	385
					12-03-74	373
					12-16-74	811
					01-17-75	1130
					01-31-75	1610
					02-14-75	516
					02-24-75	3480
					03-31-75	1850
					04-14-75	2270
					04-30-75	3170
					05-05-75	2100
					05-20-75	1040
					06-10-75	515
					06-26-75	1300
					07-17-75	357
					07-28-75	340

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04113050	Grand River	Lake Michigan	Continued		08-06-75	295
					08-26-75	703
					09-15-75	1070
					09-25-75	536
					10-02-75	569
					10-13-75	525
					11-06-75	516
					11-24-75	580
					12-11-75	1180
					01-13-76	838
					01-28-76	704
					02-10-76	703
					02-26-76	4220
					03-23-76	2190
04113100	Carrier Creek	Grand River	Lat 42°45'34", long 84°39'17", in SW1/4 sec.03, T.04 N., R.03 W., Eaton County, 100 feet upstream of mouth, at Old River Trail, at Delta Mills, MI.	---	08-17-60	0.41
					03-21-66	8.31
					04-30-66	20.5
					06-29-66	0.93
					07-29-66	0.40
					09-19-66	0.10
					10-29-66	0.50
					08-07-67	0.26
04113150	Miller Creek	Grand River	Lat 42°45'20", long 84°41'17", in SW1/4 SW1/4 sec.05, T.04 N., R.03 W., Eaton County, at Willow Hwy., 2.0 miles east of Grand Ledge, MI.	---	08-25-81	0.24
04113155	Grand River	Lake Michigan	Lat 42°45'22", long 84°42'05", in SW1/4 SW1/4 sec.05, T.04 N., R.03 W., Eaton County, 0.1 mile west of Miller Creek, 2.0 miles east of Grand Ledge, MI.	---	08-25-81	221
04113250	Sandstone Creek	Grand River	Lat 42°45'31", long 84°45'35", in SW1/4 sec.02, T.04 N., R.04 W., Eaton County, 500 feet upstream of mouth, at Fitzgerald Park, at Grand Ledge, MI.	12.0	03-29-66	8.94
					04-30-66	25.4
					07-29-66	0.43
					09-20-66	0.16
					10-29-66	0.10
					08-07-67	0.38
04113975	Frayer Creek	Grand River	Lat 42°47'06", long 84°51'48", in SE1/4 sec.26, T.05 N., R.05 W., Ionia County, at Tupper Lake Rd., 2.4 miles north of Mulliken, MI.	11.3	09-15-65	0.02
					11-27-65	2.17
					01-04-66	7.96
					09-20-66	0.10
					08-08-67	0.37
					10-05-67	0.12
					03-06-68	0.95
					04-29-68	4.38
					09-06-68	4.21
					11-02-68	0.64
					03-12-69	3.36
					04-26-69	8.98
04114150	Looking Glass River	Grand River	Lat 42°52'43", long 84°13'17", in NW1/4 NW1/4 sec.34, T.06 N., R.02 E., Shiawassee County, on State Hwy. M-52, 1.0 mile south of Pittsburg, MI.	---	02-19-76	381
04114153	Perry #2 Drain	Kellogg Drain	Lat 42°49'14", long 84°14'45", in NW1/4 NW1/4 sec.21, T.05 N., R.02 E., Shiawassee County, 600 feet south of Bath Rd., 1.0 mile southwest of Perry, MI.	1.80	04-05-84	1.29
					04-12-84	1.31
04114154	Perry #2 Drain	Kellogg Drain	Lat 42°49'04", long 84°14'32", in SE1/4 NE1/4 sec.20, T.05 N., R.02 E., Shiawassee County, by Grand Trunk Railroad, 1.3 miles southwest of Perry, MI.	2.10	11-08-83	0.00
04114157	Perry #2 Drain	Kellogg Drain	Lat 42°49'40", long 84°15'19", in SW1/4 NW1/4 sec.17, T.05 N., R.02 E., Shiawassee County, at I-69, 1.8 miles west of Perry, MI.	3.40	11-08-83	1.65
					11-09-83	2.29
					04-05-84	8.18
					04-05-84	7.65
					04-12-84	4.44
04114160	Perry #2 Drain	Kellogg Drain	Lat 42°50'50", long 84°14'22", in NW1/4 NW1/4 sec.09, T.05 N., R.02 E., Shiawassee County, at Ruess Rd., 2.0 miles northwest of Perry, MI.	5.50	11-08-83	2.70
					11-09-83	1.95
					04-05-84	9.34
					04-05-84	9.43
					04-12-84	5.23

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04114165	Kellogg Drain	Looking Glass River	Lat 42°51'21", long 84°13'33", in NE1/4 sec.04, T.05 N., R.02 E., Shiawassee County, at Winegar Rd., 2.0 miles north of Perry, MI.	---	11-08-83	3.22
					11-09-83	2.38
					04-05-84	12.3
04114200	Looking Glass River	Grand River	Lat 42°52'02", long 84°19'29", in SE1/4 sec.34, T.06 N., R.01 E., Shiawassee County, at Colby Lake Rd., 2.4 miles southeast of Laingsburg, MI.	88.0	07-10-63	3.09
					08-14-63	2.97
					09-19-63	1.91
					10-16-63	2.20
					06-04-64	6.79
					07-01-64	5.68
					08-20-64	2.08
					04-28-65	66.5
					07-29-65	2.27
04114202	Looking Glass River Diversion	Grand River	Lat 42°51'19", long 84°20'08", in SE1/4 sec.04, T.05 N., R.01 E., Shiawassee County, 2.5 miles south of Laingsburg, MI.	---	07-01-64	4.09
04114203	Looking Glass River	Grand River	Lat 42°51'28", long 84°20'38", in NE1/4 sec.04, T.05 N., R.01 E., Shiawassee County, at Woodbury Rd. 2.5 miles south of Laingsburg, MI.	---	07-01-64	1.48
04114340	Looking Glass River	Grand River	Lat 42°51'07", long 84°30'12", in NW1/4 NW1/4 sec.02, T.05 N., R.02 W., Clinton County, 2.0 miles east of U.S. Hwy. 27, 1.2 miles east of East DeWitt, MI.	---	06-13-77	19.3
					07-27-77	7.04
					08-16-77	8.23
04114355	Remey Chandler Drain	Looking Glass River	Lat 42°46'56", long 84°29'01", in NE1/4 NE1/4 sec.36, T.05 N., R.02 W., Clinton County, at Chandler Rd., 1.5 miles north of East Lansing, MI.	---	09-30-76	0.11
04114360	Remey Chandler Drain	Looking Glass River	Lat 42°47'54", long 84°30'17", in SE1/4 SE1/4 sec.23, T.05 N., R.02 W., Clinton County, at Stoll Rd., 2.5 miles north of East Lansing, MI.	---	09-30-76	0.28
04114375	Remey Chandler Drain	Looking Glass River	Lat 42°50'31", long 84°32'10", in SW1/4 SW1/4 sec.03, T.05 N., R.02 W., Clinton County, at Howe Rd., 0.8 mile southeast of East DeWitt, MI.	---	08-16-77	0.36
04114380	Looking Glass River	Grand River	Lat 42°50'53", long 84°32'34", in SW1/4 sec.03, T.05 N., R.02 W., Clinton County, at U.S. Hwy. 27, 0.3 mile south of East DeWitt, MI.	---	06-13-77	24.2
					07-27-77	10.4
					08-16-77	11.2
04114400	Looking Glass River	Grand River	Lat 42°50'23", long 84°34'08", in NE1/4 sec.08, T.05 N., R.02 W., Clinton County, at Bridge St., at Dewitt, MI.	234	08-14-61	27.0
					09-08-61	32.2
					10-12-61	23.2
					03-29-62	736
					06-02-62	32.2
					08-16-62	9.62
					11-10-62	18.5
					04-02-63	244
					07-25-63	11.4
					06-05-64	19.4
					08-20-64	6.41
					10-05-64	10.7
					04-28-65	256
					08-11-65	6.34
					05-26-66	143
					09-21-66	12.8
					10-29-66	12.8
					08-11-67	26.0
					06-13-77	25.7
					07-13-77	18.7
					07-27-77	13.3
					08-16-77	14.9
04114415	Looking Glass River	Grand River	Lat 42°49'09", long 84°36'09", in NE1/4 NE1/4 sec.13, T.05 N., R.03 W., Clinton County, at Airport Rd., 2.0 miles southwest of DeWitt, MI.	---	06-13-77	31.4
					07-12-77	24.1
					07-27-77	16.7
					08-16-77	18.0

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04114430	Summers Drain	Looking Glass River	Lat 42°48'47", long 84°38'45", in SE1/4 SE1/4 sec.15, T.05 N., R.03 W., Clinton County, at Clark Rd., 3.0 miles southeast of Wacousta, MI.	---	08-16-77	0.44
04114436	Looking Glass River	Grand River	Lat 42°49'06", long 84°39'41", in NW1/4 NW1/4 sec.15, T.05 N., R.03 W., Clinton County, at Francis Rd., 2.0 miles southeast of Wacousta, MI.	---	06-13-77	34.7
					07-12-77	26.6
					07-27-77	17.8
					08-16-77	20.1
04114450	Looking Glass River	Grand River	Lat 42°49'23", long 84°42'02", in NW1/4 sec.17, T.05 N., R.03 W., Clinton County, at Wacousta Rd., at Wacousta, MI.	---	06-14-77	37.0
					07-11-77	27.8
					07-27-77	18.9
					08-16-77	21.3
04114498	Looking Glass River	Grand River	Lat 42°49'40", long 84°45'33", in NE1/4 NE1/4 sec.15, T.05 N., R.04 W., Clinton County, at Tallman Rd., 3.0 miles west of Wacousta, MI.	---	06-14-77	38.0
					07-11-77	31.2
04114520	Grand River	Lake Michigan	Lat 42°57'10", long 84°54'10", in NE1/4 NE1/4 sec.33, T.07 N., R.05 W., Ionia County, below Webber Dam, 1.5 miles southeast of Lyons, MI.	---	06-21-79	26.0
					06-29-79	41.9
04114570	Bear Creek	Maple River	Lat 42°59'05", long 84°19'07", in SW1/4 sec.23, T.07 N., R.01 E., Shiawassee County, at Krakse Rd., 2.5 miles southeast of Ovid, MI.	29.5	04-21-65	29.8
					05-08-65	6.86
					05-22-65	2.46
					07-01-65	1.18
					07-29-65	0.55
					08-24-65	0.53
					09-14-65	1.04
					10-22-65	3.33
					11-26-65	3.20
					01-03-66	42.8
					03-29-66	23.8
					04-25-66	16.0
					05-24-66	9.89
					06-28-66	2.12
					08-09-66	1.61
					10-29-66	1.14
					01-05-67	8.25
					07-18-67	5.03
					09-04-67	2.80
					10-04-67	3.18
					03-06-68	9.08
					05-01-68	10.7
					09-04-68	2.88
					10-26-68	3.70
					03-06-69	8.57
					11-14-70	16.6
					05-01-71	11.4
					08-27-71	2.97
					08-03-72	6.96
04114580	Maple River	Grand River	Lat 43°00'23", long 84°23'12", in SE1/4 sec.11, T.07 N., R.01 W., Clinton County, at Hollister Rd., 0.8 mile west of Ovid, MI.	91.8	09-15-60	8.63
					09-27-62	6.25
					06-05-64	8.04
					08-18-64	5.61
					10-05-64	5.96
					02-20-65	36.8
					07-01-65	6.86
					08-11-65	4.62
					05-24-66	35.3
					09-21-66	4.94
					10-29-66	6.38
					08-11-67	11.1
04114588	Little Maple River	Maple River	Lat 42°53'34", long 84°25'17", in NE1/4 sec.22, T.06 N., R.01 W., Clinton County, at Alward Rd., 2.8 miles west of Laingsburg, MI.	2.43	08-19-66	0.36
					10-04-67	0.22
					03-06-68	0.63
					05-01-68	2.12
					09-04-68	0.36
					10-26-68	0.36
					03-06-69	1.48
					10-24-70	0.68
					05-01-71	1.54
					08-27-71	0.48
					08-03-72	1.55

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04114589	Little Maple River	Maple River	Lat 42°55'35", long 84°25'00", in NW1/4 sec.10, T.06 N., R.01 W., Clinton County, at Price Rd., 4.8 miles northwest of Laingsburg, MI.	7.90	07-29-65	0.27
					08-20-65	0.24
					09-14-65	0.34
					10-22-65	0.83
					11-26-65	0.89
					01-03-66	8.28
					01-07-66	3.69
					03-28-66	7.94
					04-26-66	5.17
					05-24-66	4.06
					06-28-66	0.97
					08-19-66	0.55
					10-04-67	0.78
					03-06-68	1.88
					05-01-68	5.27
					09-04-68	1.73
					10-26-68	1.30
					03-06-69	2.55
					10-24-70	2.29
					05-01-71	3.24
					08-27-71	0.79
					08-03-72	3.88
04114590	Little Maple River	Maple River	Lat 42°56'51", long 84°25'31", in SW1/4 sec.34, T.07 N., R.01 W., Clinton County, at Shepardsville Rd., 5.5 miles northwest of Laingsburg, MI.	11.4	04-21-65	13.4
					05-08-65	2.77
					05-22-65	1.08
					07-01-65	0.43
					07-29-65	0.30
					08-20-65	0.34
					09-14-65	0.47
					10-22-65	0.95
					11-26-65	0.84
					01-03-66	16.1
					01-07-66	6.75
					03-28-66	10.1
					04-26-66	7.19
					05-24-66	5.23
					06-28-66	0.93
					08-19-66	0.31
					10-29-66	0.20
					01-05-67	1.85
					07-18-67	1.57
					09-04-67	0.73
					10-04-67	0.97
					03-06-68	2.90
					05-01-68	5.62
					09-04-68	0.99
					10-26-68	1.63
					03-05-69	3.91
					10-24-70	3.05
					05-01-71	4.60
					08-27-71	1.02
					08-03-72	3.08
04114592	Little Maple River	Maple River	Lat 42°57'27", long 84°25'39", in SE1/4 sec.28, T.07 N., R.01 W., Clinton County, at Taft Rd., 3.0 miles south of Shepardsville, MI.	15.4	08-19-66	0.82
					10-04-67	1.32
					03-06-68	3.86
					05-01-68	9.00
					09-04-68	2.22
					10-26-68	2.04
					03-06-69	4.19
					10-24-70	4.35
					05-01-71	6.65
					08-27-71	1.57
					08-03-72	5.12
04114594	Maple River	Grand River	Lat 43°02'43", long 84°28'11", in SE1/4 SE1/4 sec.30, T.08 N., R.01 W., Clinton County, at Colony Rd., 4.5 miles northeast of St. Johns, MI.	---	06-10-81	49.1
					06-19-81	57.0
					07-21-81	20.9
					08-25-81	11.8
					11-04-81	80.6
					12-17-81	55.2
					04-23-82	92.2
					06-03-82	77.2
					08-27-82	21.7
					10-07-82	18.9
					03-07-83	112
					03-24-83	128
					10-17-83	20.6
					12-01-83	67.9
					04-02-84	121
					05-10-84	60.1

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04114595	Baker Creek	Maple River	Lat 43°04'53", long 84°23'14", in NW1/4 SW1/4 sec.13, T.08 N., R.01 W., Clinton County, at Hollister Rd., at Elsie, MI.	---	06-22-49	1.77
					07-18-49	1.78
					08-26-49	0.16
					09-28-49	0.11
					10-10-49	0.14
					11-16-49	0.25
					12-16-49	0.55
					01-20-50	1.95
					03-21-50	16.6
					04-21-50	3.94
					05-24-50	0.77
					06-26-50	1.28
					07-25-50	4.73
					09-11-50	0.74
					10-26-50	0.70
					11-29-50	2.95
					12-06-50	8.46
					01-15-51	3.01
					02-16-51	3.04
					03-27-51	4.08
					04-09-51	40.2
					05-11-51	5.09
					06-21-51	0.63
					08-13-51	0.19
					09-13-51	0.75
					10-09-51	2.33
					11-27-51	3.16
					12-11-51	5.18
					01-29-52	7.11
					02-15-52	4.45
					03-27-52	12.0
04114597	Baker Creek	Maple River	Lat 43°04'48", long 84°24'04", in SW1/4 sec.14, T.08 N., R.01 W., Clinton County, 0.5 mile upstream of mouth, 1.0 mile southwest of Elsie, MI.	---	10-25-63	0.73
04114600	Maple River	Grand River	Lat 43°06'08", long 84°24'03", in NW1/4 sec.11, T.08 N., R.01 W., Clinton County, at Upton Rd., 0.8 mile northwest of Elsie, MI.	205	07-10-63	10.8
					08-14-63	12.3
					09-19-63	12.4
					10-16-63	9.33
					06-03-64	23.7
					08-18-64	12.4
					02-20-65	91.0
					07-29-65	10.0
04114615	Maple River Cutoff Channel	Maple River	Lat 43°08'48", long 84°26'05", in NW1/4 NE1/4 sec.28, T.09 N., R.01 W., Gratiot County, at Taft Rd., 1.0 mile northwest of Bannister, MI.	---	06-08-82	51.0
04114700	Bear Creek	Maple River	Lat 43°09'55", long 84°28'40", in SW1/4 sec.18, T.09 N., R.01 W., Gratiot County, at Arnold Rd., 1.5 miles south of Ashley, MI.	---	10-28-69	0.69
04114701	Bear Creek	Maple River	Lat 43°09'25", long 84°28'02", in NE1/4 NW1/4 sec.19, T.09 N., R.01 W., Gratiot County, at Roosevelt Rd., 1.8 miles south of Ashley, MI.	---	03-16-71	394
04114710	Maple River	Grand River	Lat 43°08'43", long 84°30'12", in NE1/4 NE1/4 sec.26, T.09 N., R.02 W., Gratiot County, at Blair Rd., 4.0 miles west of Bannister, MI.	---	06-08-82	62.0
04114900	Pine Creek	Maple River	Lat 43°10'33", long 84°40'23", in SW1/4 sec.09, T.09 N., R.03 W., Gratiot County, at State Hwy. M-57, 0.5 mile southeast of Perrinton, MI.	63.0	08-24-55	2.25
					05-30-58	3.29
					09-15-60	3.33
					09-28-60	2.65
					10-24-60	2.74
					07-09-63	1.50
					08-13-63	3.87
					09-19-63	3.26
					10-16-63	2.42
					06-03-64	8.75
					08-18-64	3.16
					02-20-65	59.6
					08-06-65	1.58

Table 3. Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04115096	Hayworth Creek	Maple River	Lat 43°05'00", long 84°43'10", in NW1/4 sec.18, T.08 N., R.03 W., Clinton County, at Bauer Rd., 1.5 miles southwest of Maple Rapids, MI.	---	09-15-60	11.5
					09-28-60	12.7
04115100	Hayworth Creek	Maple River	Lat 43°05'26", long 84°42'41", in SW1/4 sec.07, T.08 N., R.03 W., Clinton County, at Island Rd., 1.2 miles southwest of Maple Rapids, MI.	90.2	07-10-63	4.19
					08-14-63	7.32
					09-19-63	6.29
					10-16-63	5.00
					06-03-64	12.1
					08-18-64	6.36
					02-20-65	42.6
					08-06-65	4.92
04115255	Fish Creek	Maple River	Lat 43°15'52", long 84°58'52", in SW1/4 SE1/4 sec.11, T.10 N., R.06 W., Montcalm County, at Colby Rd., 3.4 miles west of Crystal, MI.	---	05-12-72	20.8
					05-30-72	17.8
04115260	Unnamed tributary	Fish Creek	Lat 43°16'05", long 85°00'50", in NW1/4 SW1/4 sec.10, T.10 N., R.06 W., Montcalm County, at Townhall Rd., 3.8 miles southeast of Stanton, MI.	---	05-12-72	3.16
					05-30-72	2.29
04115265	Fish Creek	Maple River	Lat 43°14'59", long 84°58'52", in NW1/4 NE1/4 sec.23, T.10 N., R.06 W., Montcalm County, at Sidney Rd., 3.3 miles southwest of Crystal, MI.	---	09-26-83	31.4
04115290	West Branch Fish Creek	Fish Creek	Lat 43°14'33", long 84°45'04", in SW1/4 NW1/4 sec.22, T.10 N., R.06 W., Montcalm County, at Townhall Rd., 5.1 miles west of Crystal, MI.	---	09-26-83	22.3
04115297	Fish Creek	Maple River	Lat 43°14'45", long 84°57'17", in SW1/4 NW1/4 sec.19, T.10 N., R.05 W., Montcalm County, at Senator Rd., 2.5 miles southwest of Crystal, MI.	---	09-26-83	60.1
04115300	Fish Creek	Maple River	Lat 43°14'32", long 84°54'54", in SW1/4 sec.21, T.10 N., R.05 W., Montcalm County, at Crystal Rd., 1.5 miles south of Crystal, MI.	92.8	07-10-63	16.0
					08-13-63	22.9
					09-19-63	27.1
					10-16-63	23.5
					06-03-64	33.6
					08-18-64	21.0
					02-20-65	113
					08-06-65	19.3
					08-04-81	32.0
					09-26-83	58.5
04115310	Fish Creek	Maple River	Lat 43°13'50", long 84°53'44", in SW1/4 NW1/4 sec.27, T.10 N., R.05 W., Montcalm County, at Miner Rd., 2.4 miles southeast of Crystal, MI.	---	05-12-72	92.9
04115315	Fish Creek	Maple River	Lat 43°13'03", long 84°53'09", in NW1/4 NE1/4 sec.34, T.10 N., R.05 W., Montcalm County, at Bollinger Rd., 2.7 miles northwest of Carson City, MI.	---	05-30-72	52.8
					09-26-83	61.8
04115320	Fish Creek	Maple River	Lat 43°12'23", long 84°52'33", in NW1/4 NE1/4 sec.02, T.09 N., R.05 W., Montcalm County, at Condensery Rd., 2.0 miles north of Carson City, MI.	---	09-26-83	66.1
04115450	Fish Creek	Maple River	Lat 43°10'40", long 84°51'24", in SW1/4 sec.12, T.09 N., R.05 W., Montcalm County, downstream of footbridge in park, 300 feet above State Hwy. M-57, at Carson City, MI.	126	05-12-72	115
					05-30-72	56.0
					04-16-74	244
					05-09-74	170
					06-19-74	127
					07-18-74	60.1
					08-23-74	69.7
					09-26-74	49.2
					10-29-74	71.1
					11-27-74	105
					01-02-75	74.3
					02-12-75	86.9
					03-20-75	251
					04-24-75	223

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04115450	Fish Creek	Maple River	Continued		05-29-75	119
					07-02-75	45.5
					09-18-75	121
					10-22-75	84.4
					02-11-76	98.4
					05-28-76	144
					07-08-76	102
					08-11-76	41.6
					10-20-76	56.1
					04-14-77	87.3
					05-23-77	39.6
					06-22-77	28.5
					07-27-77	14.5
					10-07-77	66.0
					02-27-78	60.5
					05-22-78	127
					07-10-78	38.4
					11-14-78	63.0
					06-19-79	47.1
					07-16-79	31.4
					08-15-79	30.0
					10-31-79	37.8
					05-19-80	140
					07-30-80	48.8
					09-04-80	40.3
					04-07-81	84.3
					06-17-81	156
					08-26-81	23.0
					12-17-81	89.9
04115515	Fish Creek	Maple River	Lat 43°08'53", long 84°51'30", in SE1/4 sec.23, T.09 N., R.05 W., Montcalm County, at Fenwick Rd., 2.0 miles south of Carson City, MI.	145	08-19-55	37.1
					09-28-60	44.8
					10-24-60	45.6
04115600	Fish Creek	Maple River	Lat 43°07'34", long 84°50'43", in NE1/4 sec.36, T.09 N., R.05 W., Montcalm County, at Jenks Rd., 2.5 miles north of Hubbardston, MI.	157	08-13-63	32.7
					09-19-63	34.7
					10-16-63	33.0
					06-03-64	59.8
					08-18-64	27.2
					04-24-65	280
					08-06-65	29.8
					08-04-81	46.0
04115615	Fish Creek	Maple River	Lat 43°05'25", long 84°50'00", in NW1/4 NE1/4 sec.13, T.08 N., R.05 W., Ionia County, below the dam, at Hubbardston, MI.	---	08-04-81	53.0
04115700	Stony Creek	Maple River	Lat 42°57'51", long 84°37'18", in SE1/4 sec.26, T.07 N., R.03 W., Clinton County, at Grove Rd., 4.2 miles southwest of St. Johns, MI.	57.9	06-05-64	6.40
					08-18-64	3.52
					10-05-64	3.09
					02-20-65	20.7
					05-29-65	7.91
					08-06-65	2.54
					05-26-66	21.6
					09-21-66	3.60
					10-29-66	3.56
					08-11-67	5.60
04115760	Muskrat Creek	Stony Creek	Lat 42°56'38", long 84°42'23", in SE1/4 sec.31, T.07 N., R.03 W., Clinton County, at Dexter Trail, 2.5 miles northwest of Riley, MI.	37.2	09-15-60	2.83
					06-05-64	3.20
					08-18-64	2.12
					10-05-64	2.28
					02-20-65	14.2
					07-01-65	2.58
					08-06-65	1.83
					05-26-66	11.0
					09-20-66	2.34
					10-29-66	2.28
					08-11-67	3.14
04115800	Stony Creek	Maple River	Lat 42°59'16", long 84°50'50", in SE1/4 SW1/4 sec.13, T.07 N., R.05 W., Ionia County, at Hubbardston Rd., 0.9 mile south of Pewamo, MI.	175	07-10-63	7.93
					08-13-63	12.8
					09-19-63	9.06
					10-16-63	8.44
					06-03-64	18.8
					08-20-64	11.4
					02-19-65	98.1
					07-30-65	8.51
04115805	Stony Creek	Maple River	Lat 42°59'52", long 84°54'02", in NE1/4 sec.16, T.07 N., R.05 W., Ionia County, at Wager Rd., 2.0 miles east of Muir, MI.	---	09-27-60	18.9
					10-27-60	21.9

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04115830	Libhart Creek	Grand River	Lat 42°56'38", long 84°57'45", in NE1/4 sec.01, T.06 N., R.06 W., Ionia County, at Reeder Rd., 2.8 miles south of Lyons, MI.	33.0	09-14-65	3.55
					11-26-65	7.00
					01-03-66	34.1
					03-15-66	46.4
					04-16-66	15.3
					06-28-66	7.30
					09-20-66	3.43
					08-07-67	8.42
					10-05-67	5.90
					03-06-68	11.9
					04-30-68	14.3
					09-06-68	6.42
					11-02-68	8.23
					03-12-69	20.3
					04-26-69	29.4
					10-04-69	5.75
					04-18-70	25.5
					06-26-70	13.0
					10-31-70	29.4
					05-01-71	20.1
					08-31-71	6.06
					10-30-71	8.09
					08-02-72	12.8
04115850	Little Libhart Creek	Libhart Creek	Lat 42°56'38", long 84°57'01", in NW1/4 sec.06, T.06 N., R.05 W., Ionia County, at Reeder Rd., 2.8 miles south of Lyons, MI.	14.1	09-14-65	0.52
					11-26-65	1.94
					01-03-66	12.9
					03-15-66	18.6
					04-16-66	6.11
					06-28-66	2.03
					09-20-66	0.58
					08-07-67	1.64
					10-05-67	1.36
					03-06-68	4.58
					04-29-68	4.24
					09-06-68	1.52
					11-02-68	2.19
					03-12-69	4.18
					04-26-69	9.99
					10-04-69	1.31
					04-18-70	9.99
					06-26-70	4.28
					10-31-70	8.34
					05-01-71	5.94
					08-31-71	1.15
					10-30-71	2.76
					08-02-72	2.97
R 04115853	Libhart Creek	Grand River	Lat 42°58'43", long 84°58'27", in SW1/4 sec.24, T.07 N., R.06 W., Ionia County, at Riverside Dr., 1.0 mile west of Lyons, MI.	---	08-19-55	7.15
					05-27-58	13.8
					09-27-60	8.69
					10-27-60	11.8
04115865	Prairie Creek	Grand River	Lat 43°08'55", long 84°59'24", in SE1/4 SW1/4 sec.23, T.09 N., R.06 W., Montcalm County, at Fenwick Rd., 5.0 miles east of Fenwick, MI.	---	09-16-75	28.4
04115880	Prairie Creek	Grand River	Lat 43°06'46", long 84°58'27", in SW1/4 NW1/4 sec.01, T.08 N., R.06 W., Ionia County, at Van Vleck Rd., 0.5 mile east of Palo, MI.	---	09-16-75	42.0
04115888	Prairie Creek	Grand River	Lat 43°02'10", long 84°59'45", in NW1/4 SW1/4 sec.35, T.08 N., R.06 W., Ionia County, at Stage Rd., 5.0 miles northeast of Ionia, MI.	---	09-16-75	67.4
04115890	Prairie Creek	Grand River	Lat 43°01'53", long 85°00'41", in NW1/4 NW1/4 sec.03, T.07 N., R.06 W., Ionia County, at Nickle Plate Rd., 3.5 miles northeast of Ionia, MI.	---	07-15-83	19.2
04115891	Prairie Creek	Grand River	Lat 43°01'17", long 85°01'25", in NW1/4 SE1/4 sec.04, T.07 N., R.06 W., Ionia County, below Sterner Hydro Dam, 3.0 miles northeast of Ionia, MI.	---	07-15-83	26.1
04115897	Prairie Creek	Grand River	Lat 43°00'43", long 85°01'02", in NE1/4 NE1/4 sec.09, T.07 N., R.06 W., Ionia County, at Welch Rd., 2.8 miles northeast of Ionia, MI.	---	07-15-83	30.9

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04115900	Prairie Creek	Grand River	Lat 42°59'30", long 85°01'43", in SW1/4 sec.16, T.07 N., R.06 W., Ionia County, at State Hwy. M-21, 1.5 miles east of Ionia, MI.	89.6	08-19-55	18.2
					09-08-60	23.7
					09-27-60	27.6
					10-27-60	40.1
					07-10-63	14.4
					08-13-63	18.8
					09-19-63	20.8
					10-16-63	20.4
					06-03-64	27.1
					08-20-64	18.9
					02-19-65	115
					07-30-65	13.5
					09-16-75	95.0
					07-15-83	27.6
04115905	Unnamed tributary	Dry Creek	Lat 42°57'38", long 85°00'19", in SW1/4 sec.27, T.07 N., R.06 W., Ionia County, at Gurnsey Rd., 3.4 miles south of Lyons, MI.	2.62	09-14-65	0.02
					11-27-65	1.81
					01-03-66	1.08
					09-20-66	0.00
					08-07-67	0.09
					10-05-67	0.09
					03-06-68	4.19
					04-29-68	1.50
					09-06-68	0.00
					11-02-68	0.29
					03-13-69	0.00
					04-26-69	1.10
R 04116015	Sessions Creek	Grand River	Lat 42°57'21", long 85°07'38", in NW1/4 sec.34, T.07 N., R.07 W., Ionia County, at Riverside Dr., 3.5 miles southwest of Ionia, MI.	16.8	09-14-65	1.16
					11-26-65	3.16
					01-04-66	10.0
					02-05-66	3.07
					03-02-66	11.6
					03-15-66	17.5
					04-02-66	15.7
					05-07-66	8.73
					06-29-66	2.72
					07-28-66	2.13
					08-23-66	3.88
					09-13-66	1.27
					10-01-66	1.50
					08-07-67	2.56
					10-05-67	2.02
					03-06-68	5.57
					04-25-68	6.20
					09-06-68	1.88
					11-02-68	2.23
					03-21-69	10.3
					04-26-69	12.8
					10-04-69	1.72
					04-18-70	10.7
					06-25-70	5.60
					10-31-70	8.31
					05-01-71	9.05
					08-27-71	1.86
					10-30-71	1.87
					08-02-72	4.10
04116045	Unnamed tributary	Morrison Lake	Lat 42°51'13", long 85°13'18", in NW1/4 NE1/4 sec.02, T.05 N., R.08 W., Ionia County, at Brooks Landing Rd., 1.2 miles northeast of Clarksville, MI.	---	04-24-84	1.14
					05-23-84	1.29
04116047	Leary Drain	Morrison Lake	Lat 42°52'14", long 85°10'24", in NW1/4 NW1/4 sec.32, T.06 N., R.07 W., Ionia County, at Bliss Rd., 3.5 miles northeast of Clarksville, MI.	---	05-23-84	1.53
					08-20-84	0.03
04116049	Leary Drain	Morrison Lake	Lat 42°51'48", long 85°11'48", in NE1/4 SE1/4 sec.36, T.06 N., R.08 W., Ionia County, 200 feet upstream of Morrison Lake, 2.5 miles northeast of Clarksville, MI.	---	04-24-84	5.80
					05-23-84	3.45
04116050	Lake Creek	Grand River	Lat 42°52'17", long 85°12'09", in NW1/4 NE1/4 sec.36, T.06 N., R.08 W., Ionia County, at Portland Rd., 2.5 miles northeast of Clarksville, MI.	---	05-05-44	8.41
					05-22-45	25.9
					06-23-45	2.37
					03-07-46	51.2
					03-13-46	42.1
					04-18-46	3.97
					05-20-46	2.84
					01-27-47	7.13
					04-06-47	92.5
					04-09-47	74.2
					04-18-47	46.4
					05-12-47	14.3

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04116050	Lake Creek	Grand River	Continued		10-21-47	0.77
					01-08-48	3.32
					05-28-48	5.26
					09-07-48	0.00
					12-03-48	0.00
					03-22-49	4.37
					06-13-49	0.18
					09-12-49	0.00
					01-23-50	13.2
					04-13-50	40.1
					08-07-50	3.94
					04-24-84	11.2
04116170	Flat River	Grand River	Lat 43°25'28", long 85°08'39", in SE1/4 sec.16, T.12 N., R.07 W., Montcalm County, at State Hwy. M-46, at Six Lakes, MI.	---	08-24-55	11.7
					07-09-63	8.10
04116200	Flat River	Grand River	Lat 43°15'00", long 85°17'53", in NE1/4 sec.19, T.10 N., R.08 W., Montcalm County, at Sidney Rd., at Gowen, MI.	173	07-10-63	35.8
					08-13-63	47.4
					09-19-63	62.8
					10-16-63	50.8
					06-03-64	62.4
					08-19-64	43.3
					02-19-65	155
					07-29-65	43.0
04116250	Coopers Creek	Flat River	Lat 43°13'24", long 85°19'34", in SW1/4 sec.25, T.10 N., R.09 W., Kent County, south of Cooper Creek Rd., below Clear Creek 4.6 miles northwest of Greenville, MI.	98.8	07-10-63	19.3
					08-13-63	28.4
					09-19-63	42.4
					10-16-63	31.8
					06-03-64	28.5
					08-19-64	18.5
					02-19-65	129
					07-27-65	19.3
04116275	Dickerson Creek	Flat River	Lat 43°15'01", long 85°11'27", in NW1/4 NW1/4 sec.19, T.10 N., R.07 W., Montcalm County, at Sidney Rd., 3.0 miles west of Sidney, MI.	---	09-16-75	21.9
04116279	Dickerson Creek	Flat River	Lat 43°10'05", long 85°07'30", in NE1/4 SE1/4 sec.36, T.10 N., R.08 W., Montcalm County, at Peck Rd., 3.8 miles northeast of Greenville, MI.	---	05-30-72	10.9
					09-16-75	44.1
04116297	Dickerson Creek	Flat River	Lat 43°12'16", long 85°12'04", in SW1/4 NE1/4 sec.15, T.09 N., R.07 W., Montcalm County, at State Hwy. M-57, 3.7 miles southwest of Sheridan, MI.	---	05-30-72	24.1
					09-16-75	77.9
04116300	Dickerson Creek	Flat River	Lat 43°08'57", long 85°06'39", in SW1/4 sec.23, T.09 N., R.07 W., Montcalm County, at Fenwick Rd., 1.5 miles west of Fenwick, MI.	51.7	08-13-63	10.2
					09-19-63	10.6
					10-16-63	10.8
					06-03-64	18.6
					08-19-64	7.07
					02-19-65	81.3
					07-29-65	2.52
					06-02-70	70.5
04116320	Dickerson Creek	Flat River	Lat 43°07'46", long 85°10'25", in NW1/4 NW1/4 sec.32, T.09 N., R.07 W., Montcalm County, at Miller Rd., 5.0 miles southeast of Greenville, MI.	---	09-18-75	87.8
04116460	Dickerson Creek	Flat River	Lat 43°06'34", long 85°13'03", in NE1/4 SW1/4 sec.01, T.08 N., R.08 W., Ionia County, at Long Lake Rd., at Belding, MI.	---	05-30-72	52.5
04116515	Flat River	Grand River	Lat 42°58'16", long 85°20'13", in NE1/4 sec.26, T.07 N., R.09 W., Kent County, below Fallassburg Dam, 1.8 miles north of Lowell, MI.	---	08-17-82	21.0
04116640	Thornapple River	Grand River	Lat 42°37'13", long 84°46'06", in NE1/4 sec.27, T.03 N., R.04 W., Eaton County, at Stewart Rd., 1.5 miles west of Potterville, MI.	25.0	09-09-64	2.83

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04116650	Butternut Creek	Thornapple River	Lat 42°35'28", long 84°48'38", in NW1/4 sec.05, T.02 N., R.04 W., Eaton County, at Fairview Hwy., 2.6 miles northeast of Charlotte, MI.	10.2	09-09-64	1.73
04116653	Butternut Creek	Thornapple River	Lat 42°36'35", long 84°47'00", in NE1/4 sec.33, T.03 N., R.04 W., Eaton County, at McConnell Hwy., 4.5 miles northeast of Charlotte, MI.	---	08-06-71	2.73
04116660	Unnamed tributary	Thornapple River	Lat 42°37'58", long 84°45'12", in SE1/4 NW1/4 sec.23, T.03 N., R.04 W., Eaton County, 200 feet above Potterville WWTP discharge, 1.0 mile northwest of Potterville, MI.	---	04-16-80	1.43
04116662	Unnamed tributary	Thornapple River	Lat 42°38'24", long 84°46'12", in NE1/4 NW1/4 sec.22, T.03 N., R.04 W., Eaton County, at Gresham Hwy., 1.5 miles northwest of Potterville, MI.	---	04-16-80	3.05
04116700	Thornapple River	Grand River	Lat 42°39'29", long 84°49'03", in SE1/4 sec.07, T.03 N., R.04 W., Eaton County, at Benton Rd., just above unnamed tributary, 4.7 miles northwest of Potterville, MI.	71.5	06-08-64	12.6
					08-19-64	4.61
					09-09-64	8.10
					10-06-64	8.36
					04-24-65	53.4
					05-19-65	24.4
					07-27-65	5.37
					09-15-65	17.1
					05-25-66	42.1
					09-22-66	12.0
					08-07-67	17.6
04116730	Little Thornapple River	Thornapple River	Lat 42°35'50", long 84°54'53", in SW1/4 sec.33, T.03 N., R.05 W., Eaton County, at Kinsel Hwy., 0.7 mile southeast of Chester, MI.	20.8	09-09-64	0.65
04116790	Thompson Creek	Thornapple River	Lat 42°38'27", long 84°58'27", in NW1/4 sec.24, T.03 N., R.06 W., Eaton County, at Gresham Hwy., 2.8 miles northeast of Vermontville, MI.	7.13	09-09-64	0.01
04116800	Thornapple River	Grand River	Lat 42°37'33", long 84°57'48", in NE1/4 sec.25, T.03 N., R.06 W., Eaton County, at Vermontville Hwy., 3.1 miles east of Vermontville, MI.	160	08-18-55	15.4
					07-08-63	12.1
					08-13-63	10.9
					09-19-63	8.77
					10-16-63	8.22
					06-03-64	24.4
					08-19-64	6.97
					09-09-64	11.3
					02-19-65	102
					07-30-65	10.3
04116810	Lacey Creek	Thornapple River	Lat 42°36'42", long 84°57'44", in SE1/4 sec.25, T.03 N., R.06 W., Eaton County, at Lamie Hwy., 3.4 miles southeast of Vermontville, MI.	23.7	08-18-55	2.43
					09-09-64	1.92
04116820	Shanty Brook	Thornapple River	Lat 42°34'02", long 85°00'17", in SW1/4 sec.10, T.02 N., R.06 W., Eaton County, at State Hwy. M-79, 2.0 miles north of Kalamo, MI.	5.25	09-09-64	0.08
04116822	Shanty Brook	Thornapple River	Lat 42°34'53", long 85°01'18", in SE1/4 sec.04, T.02 N., R.06 W., Eaton County, at Valley Hwy., 3.0 miles south of Vermontville, MI.	---	08-18-55	1.04
04116830	Shanty Brook	Thornapple River	Lat 42°36'38", long 85°01'58", in NW1/4 sec.33, T.03 N., R.06 W., Eaton County, at Nashville Hwy., 1.0 mile south of Vermontville, MI.	17.4	09-09-64	1.54
04116900	Scipio Creek	Thornapple River	Lat 42°37'32", long 85°03'38", in SE1/4 sec.19, T.03 N., R.06 W., Eaton County, at Scipio Hwy., 1.8 miles west of Vermontville, MI.	9.33	09-09-64	0.97

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04117000	Quaker Brook	Thornapple River	Lat 42°33'57", long 85°05'37", in NW1/4 sec.13, T.02 N., R.07 W., Barry County, at former gaging station, at Clark Rd., 2.5 miles south of Nashville, MI.	7.60	09-09-64 09-09-64	1.04 1.04
04117020	Thornapple River	Grand River	Lat 42°37'30", long 85°08'50", in NE1/4 NW1/4 sec.28, T.03 N., R.07 W., Barry County, at Thornapple Lake Rd., 2.3 miles northwest of Nashville, MI.	---	03-08-79	1940
04117100	Mud Creek	Thornapple River	Lat 42°42'45", long 85°06'08", in SE1/4 sec.23, T.04 N., R.07 W., Barry County, at Barnum Rd., 2.0 miles southeast of Woodland, MI.	27.5	09-09-64	2.33
04117200	Mud Creek	Thornapple River	Lat 42°40'07", long 85°07'46", in SW1/4 sec.03, T.03 N., R.07 W., Barry County, at Bayne Rd., 4.0 miles south of Woodland, MI.	45.6	09-09-64	4.16
04117300	High Bank Creek	Thornapple River	Lat 42°37'17", long 85°10'47", in NE1/4 sec.30, T.03 N., R.07 W., Barry County, at Thornapple Lake Rd., at Morgan, MI.	33.9	09-09-64	3.58
R 04117350	Wall Lake Outlet	Thornapple River	Lat 42°31'23", long 85°22'17", in SE1/4 sec.28, T.02 N., R.09 W., Barry County, 1,000 feet below Wall Lake, near Delton, MI.	---	02-08-51	0.03
04117400	Cedar Creek	Thornapple River	Lat 42°34'45", long 85°15'42", in SW1/4 sec.09, T.02 N., R.08 W., Barry County, at State Hwy. M-37, 3.3 miles north of Dowling, MI.	---	09-09-64	14.5
04117450	Cedar Creek	Thornapple River	Lat 42°36'37", long 85°13'52", in NE1/4 sec.34, T.03 N., R.08 W., Barry County, at State Hwy. M-79, 0.3 miles west of Quimby, MI.	---	09-09-64	16.4
04117500	Thornapple River	Grand River	Lat 42°36'57", long 85°14'11", in SE1/4 sec.27, T.03 N., R.08 W., Barry County, at gaging station at McKeown Rd., 3.5 miles southeast of Hastings, MI.	385	09-09-64	47.5
04117550	Fall Creek	Thornapple River	Lat 42°34'50", long 85°19'38", in NW1/4 sec.12, T.02 N., R.09 W., Barry County, at Schultz Rd., 1.0 mile east of Schultz, MI.	4.84	09-09-64	0.01
04117570	Fall Creek	Thornapple River	Lat 42°36'20", long 85°18'29", in NE1/4 sec.36, T.03 N., R.09 W., Barry County, at Cook Rd., 3.0 miles southwest of Hastings, MI.	26.1	09-09-64	0.00
04117575	Unnamed tributary	Thornapple River	Lat 42°38'37", long 85°18'15", in SW1/4 sec.18, T.03 N., R.08 W., Barry County, at State Hwy. M-37, at Hastings, MI.	---	01-15-54 07-13-54	1.22 1.62
04117576	Unnamed tributary	Thornapple River	Lat 42°38'57", long 85°18'34", in NE1/4 sec.13, T.03 N., R.09 W., Barry County, 1.0 mile west of Hastings, MI.	---	01-15-54 07-13-54	1.01 1.76
04117600	Thornapple River	Grand River	Lat 42°41'23", long 85°24'51", in SW1/4 sec.31, T.04 N., R.09 W., Barry County, at Irving Rd., at Irving, MI.	500	09-09-64	72.8
04117700	Glass Creek	Thornapple River	Lat 42°40'29", long 85°26'18", in SW1/4 sec.01, T.03 N., R.10 W., Barry County, at State Hwy. M-37, 1.5 miles southwest of Irving, MI.	39.3	09-09-64	4.24

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04117720	Turner Creek	Bassett Lake	Lat 42°38'18", long 85°27'18", in NE1/4 sec.23, T.03 N., R.10 W., Barry County, at Chief Noonday Rd., 5.0 miles south of Middleville, MI.	6.56	09-09-64	0.97
04117750	Bassett Creek	Thornapple River	Lat 42°41'26", long 85°27'45", in NW1/4 sec.35, T.04 N., R.10 W., Barry County, at State Hwy. M-37, 1.5 miles south of Middleville, MI.	12.4	09-09-64	4.13
04117765	Duncan Lake Outlet	Thornapple River	Lat 42°45'15", long 85°31'50", in SE1/4 SE1/4 sec.06, T.04 N., R.10 W., Barry County, at Duncan Lake outlet, 3.0 miles northwest of Middleville, MI.	---	04-07-81	10.8
04117780	Duncan Creek	Thornapple River	Lat 42°43'53", long 85°28'50", in SW1/4 sec.15, T.04 N., R.10 W., Barry County, at State Hwy. M-37, 1.5 miles northwest of Middleville, MI.	23.5	09-09-64	3.38
04117805	Tupper Creek	Little Thornapple R.	Lat 42°47'37", long 85°06'50", in SW1/4 NW1/4 sec.26, T.05 N., R.07 W., Ionia County, at Ainsworth Rd., 1.0 mile northeast of Lake Odessa, MI.	---	10-04-77	1.16
R 04117810	Little Thornapple River	Coldwater River	Lat 42°45'03", long 85°09'13", in NE1/4 sec.08, T.04 N., R.07 W., Barry County, at Wellman Rd., 2.1 miles northwest of Woodland, MI.	27.4	03-07-46	148
					03-13-46	110
					04-18-46	13.8
					05-20-46	10.1
					08-29-46	1.71
					01-27-47	16.5
					04-18-47	88.0
					05-12-47	37.4
					10-08-47	6.74
					01-09-48	9.81
					05-28-48	28.4
					08-23-48	2.51
					12-03-48	5.10
					03-22-49	13.0
					06-21-49	6.51
					09-12-49	3.45
					01-23-50	29.8
					04-13-50	74.5
					07-12-50	5.56
					10-27-50	5.99
					01-17-51	28.4
					06-06-51	8.12
					08-17-51	0.94
					11-29-51	32.3
					02-15-52	35.4
					06-02-52	12.4
					08-19-52	6.06
					10-15-52	2.83
					02-10-53	9.76
					04-15-53	16.8
					07-07-53	2.04
					10-20-53	0.87
					03-20-54	13.9
					05-04-54	43.3
					07-12-54	16.4
					11-23-54	16.2
					03-18-55	39.4
					05-10-55	15.3
					08-23-55	3.35
					10-15-55	4.38
					02-20-56	8.15
					04-18-56	34.3
					07-30-56	6.17
					10-17-56	1.65
					12-31-56	5.59
					03-21-57	15.5
					05-13-57	77.0
					12-30-57	32.4

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04117810	Little Thornapple River	Coldwater River	Continued		03-25-58	23.0
					06-11-58	5.47
					07-14-58	4.50
					11-03-58	3.24
					04-22-59	26.6
					08-18-59	3.21
					11-12-59	8.06
					12-22-59	17.3
					02-13-60	35.8
					06-22-60	19.7
					09-09-64	0.71
04117820	Coldwater River	Thornapple River	Lat 42°42'42", long 85°14'47", in NW1/4 sec.27, T.04 N., R.08 W., Barry County, at Andrus Rd., 1.0 mile south of Carlton Center, MI.	56.0	09-09-64	3.85
04117900	Coldwater River	Thornapple River	Lat 42°46'08", long 85°18'34", in NW1/4 sec.06, T.04 N., R.08 W., Barry County, at Feightner Rd., at Freeport, MI.	82.7	07-11-63	8.43
					08-14-63	12.6
					09-19-63	9.07
					10-16-63	8.72
					06-03-64	12.3
					08-19-64	7.41
					09-09-64	9.13
					02-19-65	84.1
					07-28-65	10.2
04117901	Coldwater River	Thornapple River	Lat 42°45'50", long 85°19'22", in SW1/4 SW1/4 sec.36, T.05 N., R.09 W., Kent County, at Freeport Rd., 0.7 mile northwest of Freeport, MI.	84.0	05-18-71	23.2
04117910	Duck Creek	Coldwater River	Lat 42°48'22", long 85°13'47", in SW1/4 sec.23, T.05 N., R.08 W., Ionia County, at Campbell Rd., at Campbell Corners, MI.	19.0	09-09-64	0.39
04117920	Duck Creek	Coldwater River	Lat 42°46'42", long 85°18'36", in NE1/4 NW1/4 sec.36, T.05 N., R.09 W., Kent County, at Freeport Rd., 0.8 mile north of Freeport, MI.	26.6	09-09-64	2.82
					05-18-71	7.54
04117924	Unnamed tributary	Bear Creek	Lat 42°51'37", long 85°14'33", in SE1/4 sec.34, T.06 N., R.08 W., Ionia County, at Nash Hwy., 1.2 miles north of Clarksville, MI.	---	10-06-71	0.49
04117930	Bear Creek	Coldwater River	Lat 42°46'52", long 85°20'18", in SW1/4 SE1/4 sec.26, T.05 N., R.09 W., Kent County, at 100th St., 1.9 miles northwest of Freeport, MI.	48.4	09-09-64	5.86
					05-18-71	16.8
04117940	Coldwater River	Thornapple River	Lat 42°46'25", long 85°21'05", in NE1/4 SW1/4 sec.34, T.05 N., R.09 W., Kent County, at Baker St., 2.5 miles northwest of Freeport, MI.	---	05-18-71	55.8
04117950	Coldwater River	Thornapple River	Lat 42°47'05", long 85°24'29", in SE1/4 sec.30, T.05 N., R.09 W., Kent County, at Horse Lake Ave., 5.7 miles northeast of Middleville, MI.	184	07-11-63	34.5
					08-14-63	38.8
					09-19-63	31.9
					10-16-63	32.6
					06-03-64	38.8
					08-19-64	26.6
					09-09-64	28.7
					02-19-65	161
					07-28-65	36.1
04117960	Coldwater River	Thornapple River	Lat 42°46'21", long 85°27'28", in NW1/4 SE1/4 sec.35, T.05 N., R.10 W., Kent County, at Whitneyville Rd., 3.2 miles southeast of Caledonia, MI.	---	05-18-71	72.6
04118350	Rogue River	Grand River	Lat 43°15'52", long 84°42'00", in NW1/4 NE1/4 sec.14, T.10 N., R.12 W., Kent County, at 20 Mile Rd., 4.0 miles northeast of Kent City, MI.	---	10-06-69	16.4
					07-25-72	20.7

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04118355	Rogue River	Grand River	Lat 43°14'05", long 85°41'50", in SE1/4 sec.23, T.10 N., R.12 W., Kent County, at 18 Mile Rd., 2.9 miles east of Kent City, MI.	---	10-06-69	22.1
					07-25-72	33.2
					09-09-74	34.8
04118356	Rogue River	Grand River	Lat 43°13'12", long 85°41'17", in SW1/4 SW1/4 sec.25, T.10 N., R.12 W., Kent County, at State Hwy. M-46, 3.1 miles east of Kent City, MI.	---	06-25-72	35.8
04118360	Rogue River	Grand River	Lat 43°11'49", long 85°41'13", in SW1/4 NW1/4 sec.01, T.09 N., R.12 W., Kent County, at Indian Lake Rd., 2.6 miles north of Sparta, MI.	---	10-06-69	37.1
					09-09-74	55.3
04118400	Rogue River	Grand River	Lat 43°09'38", long 85°41'23", in NW1/4 sec.24, T.09 N., R.12 W., Kent County, at 13 Mile Rd., 1.1 miles east of Sparta, MI.	155	09-19-63	49.2
					10-16-63	47.7
					06-03-64	57.2
					08-19-64	29.1
					04-24-65	211
					07-29-65	38.2
04118402	Rogue River	Grand River	Lat 43°08'57", long 85°41'08", in SW1/4 sec.24, T.09 N., R.12 W., Kent County, at Alpine Ave., 1.5 miles southeast of Sparta, MI.	209	05-05-64	296
					05-14-64	244
					06-09-64	89.1
					06-12-64	86.3
					07-06-64	73.4
					07-22-64	68.6
					08-04-64	60.2
					08-05-64	60.8
					08-12-64	69.2
					08-19-64	55.8
					08-28-64	75.4
					09-09-64	59.4
					09-17-64	63.4
					09-22-64	108
					10-02-64	97.1
					10-09-64	91.6
					10-15-64	82.7
					11-02-64	84.3
					11-03-64	104
					10-06-69	43.0
04118410	Rogue River	Grand River	Lat 43°07'26", long 85°39'03", in NE1/4 SE1/4 sec.31, T.09 N., R.11 W., Kent County, at Pate Island Rd., 4.0 miles southeast of Sparta, MI.	---	07-09-63	38.2
					10-06-69	46.1
					10-06-69	46.5
					09-09-74	65.7
04118415	Rogue River	Grand River	Lat 43°07'40", long 85°37'03", in NW1/4 sec.33, T.09 N., R.11 W., Kent County, at Grange Ave., near Sparta, MI.	---	08-14-63	52.2
					09-04-84	63.5
04118430	Cedar Creek	Rogue River	Lat 43°13'25", long 85°33'22", in SE1/4 sec.25, T.10 N., R.11 W., Kent County, at Cherry St., at Cedar Springs, MI.	---	08-24-55	0.84
					05-27-58	3.01
					07-09-63	1.60
04118465	Rogue River	Grand River	Lat 43°08'47", long 85°33'52", in SE1/4 SW1/4 sec.24, T.09 N., R.11 W., Kent County, at 12 Mile Rd., 1.5 miles north of Rockford, MI.	---	08-30-51	83.7
					05-05-64	296
					05-14-64	244
					06-09-64	89.1
					06-12-64	86.3
					07-06-64	73.4
					07-22-64	68.6
					08-04-64	60.2
					08-05-64	60.8
					08-12-64	69.2
					08-19-64	55.8
					08-28-64	75.4
					09-09-64	59.4
					09-17-64	63.4
					09-22-64	108
					10-06-69	77.1
					09-09-74	107
					09-04-84	97.6
R 04118470	Shaw Creek	Rogue River	Lat 43°08'37", long 85°33'03", in NE1/4 sec.25, T.09 N., R.11 W., Kent County, at Northland Ave., 0.8 mile north of Rockford, MI.	---	08-04-64	2.72
					08-05-64	2.97

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04118483	Rum Creek	Rogue River	Lat 43°07'26", long 85°33'29", in SE1/4 sec.36, T.09 N., R.11 W., Kent County, at Monroe St., at Rockford, MI.	---	08-04-64	2.65
					08-05-64	2.60
04118487	Barkley Creek	Rogue River	Lat 43°06'13", long 85°33'21", in SE1/4 sec.01, T.08 N., R.11 W., Kent County, at Northland Dr., 1.0 mile south of Rockford, MI.	---	08-04-64	0.96
					08-05-64	0.94
04118490	Rogue River	Grand River	Lat 43°06'33", long 85°33'56", in NW1/4 sec.01, T.08 N., R.11 W., Kent County, at Jerico Rd., 0.5 mile south of Rockford, MI.	---	07-22-64	79.0
					08-04-64	69.9
					08-05-64	67.7
					09-16-64	74.4
					09-17-64	77.7
04118509	Rogue River	Grand River	Lat 43°04'22", long 85°35'50", in SE1/4 sec.15, T.08 N., R.11 W., Kent County, at Rogue River Rd. 4.0 miles southwest of Rockford, MI.	---	09-15-64	78.6
04118510	Rogue River	Grand River	Lat 43°03'52", long 85°35'31", in NE1/4 sec.22, T.08 N., R.11 W., Kent County, at West River Dr., 4.0 miles southwest of Rockford, MI.	---	09-14-64	81.7
04118550	Mill Creek	Grand River	Lat 43°02'01", long 85°39'58", in NW1/4 SW1/4 sec.31, T.08 N., R.11 W., Kent County, at Comstock Park, near Grand Rapids, MI.	19.7	04-21-52	18.0
					05-06-52	10.9
					06-24-52	8.86
					09-09-52	9.27
					10-15-52	7.50
					12-12-52	11.4
04118985	Indian Creek	Grand River	Lat 43°00'01", long 85°43'03", in NE1/4 sec.15, T.07 N., R.12 W., Kent County, at Walker Ave., at Grand Rapids, MI.	13.0	04-21-52	9.09
					05-06-52	6.15
					06-24-52	3.83
					09-09-52	4.36
					10-15-52	3.87
					12-12-52	5.16
					09-09-60	3.22
04118986	Indian Creek	Grand River	Lat 42°59'50", long 85°41'18", in NE1/4 NE1/4 sec.14, T.07 N., R.12 W., Kent County, at Grand Rapids, MI.	16.5	04-21-52	12.6
					05-06-52	9.16
					09-09-52	6.66
					10-15-52	6.23
					12-02-52	9.44
04118990	Indian Creek	Grand River	Lat 42°59'40", long 85°40'40", in NE1/4 sec.13, T.07 N., R.12 W., Kent County, at Turner Ave., at Grand Rapids, MI.	---	08-25-70	6.78
					08-26-70	6.41
					08-27-70	6.28
04119050	Plaster Creek	Grand River	Lat 42°54'20", long 85°37'38", in NE1/4 sec.17, T.06 N., R.11 W., Kent County, at Kalamazoo St., near Grand Rapids, MI.	43.9	04-21-52	24.2
					05-05-52	8.67
					09-08-52	4.02
					10-14-52	3.11
					12-01-52	10.2
04119060	Plaster Creek	Grand River	Lat 42°55'56", long 85°40'16", in SE1/4 sec.12, T.06 N., R.12 W., Kent County, at Buchanan St., at Grand Rapids, MI.	48.0	04-21-52	25.1
					05-05-52	12.5
					06-24-52	9.95
					09-08-52	7.99
					10-14-52	5.72
					12-01-52	15.1
					08-23-55	4.51
04119061	Plaster Creek	Grand River	Lat 42°56'15", long 85°41'24", in NE1/4 sec.02, T.06 N., R.12 W., Kent County, at Godfrey St., at Wyoming, MI.	57.1	11-20-73	38.3
					02-20-74	106
					03-27-74	61.4
					05-07-74	43.8
					06-12-74	73.8
					07-16-74	30.7
					08-20-74	26.0
					09-25-74	23.8
					10-25-74	24.5
					11-26-74	43.3
					05-29-75	28.4
					09-16-75	33.2
					10-21-75	24.7
					05-25-76	43.6
					08-10-76	22.7
					09-15-76	19.3
					10-20-76	17.0

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	 Discharge (ft^3/s)
04119061	Plaster Creek	Grand River	Continued		04-13-77	29.0
					05-18-77	20.3
					06-21-77	19.2
					01-18-78	26.2
					05-22-78	38.1
					07-31-78	17.4
					09-11-78	17.5
					06-05-79	23.7
					07-12-79	20.5
					08-14-79	18.1
					09-19-79	15.2
					03-12-80	36.8
					05-08-80	24.5
					06-18-80	31.6
					08-18-80	16.0
					10-27-80	27.2
					12-22-80	19.9
					04-06-81	28.8
					08-24-81	14.6
					12-22-81	22.3
					01-27-82	20.8
					07-13-82	21.2
					08-24-82	16.9
					10-05-82	16.0
					11-15-82	46.0
					02-08-83	29.7
04119064	Plaster Creek	Grand River	Lat 42°56'35", long 85°41'55", in SE1/4 SW1/4 sec.35, T.07 N., R.12 W., Kent County, at Freeman Rd., 1000 feet above WWTP, at Grand Rapids, MI.	---	09-16-80	19.5
04119065	Plaster Creek	Grand River	Lat 42°56'54", long 85°41'54", in NE1/4 SW1/4 sec.35, T.07 N., R.12 W., Kent County, at Market Ave., at Grand Rapids, MI.	---	08-21-62	13.1
					08-22-62	13.2
					08-25-70	23.0
					08-26-70	21.8
					08-27-70	22.6
					07-30-73	25.4
04119070	Grand River	Lake Michigan	Lat 42°54'55", long 85°46'02", in SE1/4 sec.07, T.06 N., R.12 W., Kent County, at State Hwy. M-11, at Grandville, MI.	---	07-20-62	1030
					08-21-62	1010
					08-22-62	1020
04119077	Buck Creek	Grand River	Lat 42°48'42", long 85°41'44", in NE1/4 NW1/4 sec.23, T.05 N., R.12 W., Kent County, at 84th St., 1.5 miles east of Byron Center, MI.	---	08-23-83	2.15
04119100	Buck Creek	Grand River	Lat 42°50'27", long 85°40'21", in SW1/4 SE1/4 sec.01, T.05 N., R.12 W., Kent County, at 68th St., 0.5 mile east of Cutlerville, MI.	---	08-23-83	8.72
04119140	Unnamed tributary	Buck Creek	Lat 42°52'04", long 85°40'32", in NE1/4 NW1/4 sec.36, T.06 N., R.12 W., Kent County, at Fisher Station, near Grand Rapids, MI.	6.40	04-21-52	6.96
					05-05-52	3.64
					09-08-52	1.34
					10-14-52	0.91
					12-01-52	2.13
04119145	Buck Creek	Grand River	Lat 42°46'18", long 85°40'57", in SE1/4 SE1/4 sec.26, T.06 N., R.12 W., Kent County, at Clyde Park Ave., at Wyoming, MI.	40.0	04-21-52	39.2
					05-05-52	23.4
					09-08-52	12.5
					10-14-52	12.1
					12-01-52	21.1
					08-23-83	20.3
04119155	Buck Creek	Grand River	Lat 42°53'27", long 85°43'27", in NE1/4 SE1/4 sec.21, T.06 N., R.12 W., Kent County, at Byron Center Rd., at Wyoming, MI.	44.2	04-21-52	38.7
					05-06-52	28.9
					06-24-52	21.9
					09-08-52	16.6
					10-14-52	15.1
					12-02-52	24.9
					08-23-83	23.7
04119161	Buck Creek	Grand River	Lat 42°54'13", long 85°46'21", in SE1/4 sec.18, T.06 N., R.12 W., Kent County, at South Canal Ave., at Grandville, MI.	---	08-23-83	27.1

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
R 04119162	Buck Creek	Grand River	Lat 42°54'21", long 85°46'29", in SW1/4 sec.18, T.06 N., R.12 W., Kent County, at State Hwy. M-21, at Grandville, MI.	---	08-21-62	12.6
04119220	Rush Creek	Grand River	Lat 42°54'15", long 85°47'03", in NE1/4 SE1/4 sec.13, T.06 N., R.13 W., Ottawa County, at Chicago Dr., 0.2 mile south of Jenison, MI.	---	08-30-60	17.8
					08-21-62	11.1
					05-12-81	1270
04119221	Rush Creek	Grand River	Lat 42°54'23", long 85°46'53", in SW1/4 sec.18, T.06 N., R.12 W., Kent County, at Jenison, MI.	61.4	05-06-52	31.7
					09-08-52	23.6
					10-14-52	19.0
					12-02-52	30.8
04119240	Sand Creek	Grand River	Lat 43°03'42", long 85°50'48", in NW1/4 sec.27, T.08 N., R.13 W., Ottawa County, at Arthur St., 1.6 miles northwest of Marne, MI.	---	10-02-70	6.30
04119243	Sand Creek	Grand River	Lat 43°01'34", long 85°49'50", in SE1/4 sec.34, T.08 N., R.13 W., Ottawa County, at Hayes Rd., 0.3 mile southwest of Marne, MI.	---	10-02-70	11.0
04119247	Sand Creek	Grand River	Lat 43°00'10", long 85°49'35", in SW1/4 SW1/4 sec.11, T.07 N., R.13 W., Ottawa County, at Lincoln St., 0.8 mile northeast of Tallmadge, MI.	---	10-02-70	28.4
04119249	Sand Creek	Grand River	Lat 42°59'48", long 85°50'01", in SW1/4 SE1/4 sec.15, T.07 N., R.13 W., Ottawa County, below dam at Tallmadge, MI.	---	10-02-70	28.0
04119250	Sand Creek	Grand River	Lat 42°58'40", long 85°50'24", in NW1/4 sec.27, T.07 N., R.13 W., Ottawa County, at State Hwy. M-45, 1.4 miles southwest of Tallmadge, MI.	---	12-02-52	27.0
					07-14-54	17.6
					08-12-54	11.6
					10-13-55	46.7
					08-31-60	13.2
					10-02-70	33.0
04119300	Grand River	Lake Michigan	Lat 43°00'53", long 85°57'20", in NE1/4 NW1/4 sec.10, T.07 N., R.14 W., Ottawa County, at 68th Ave., at Eastmanville, MI.	---	06-02-70	6330
					06-08-70	4410
					06-10-70	3620
					08-26-70	1590
					08-27-70	1240
04120000	Crockery Creek	Grand River	Lat 43°13'16", long 85°54'09", in SW1/4 SW1/4 sec.30, T.10 N., R.13 W., Muskegon County, at Laketon Rd., at Slocum, MI.	---	05-24-71	22.6
					09-14-77	10.0
04120020	Crockery Lake Outlet	North Branch Crockery Creek	Lat 43°11'30", long 85°52'53", in SE1/4 SW1/4 sec.05, T.09 N., R.13 W., Ottawa County, at Truman Rd., 3.0 miles east of Ravenna, MI.	---	05-24-71	2.83
					09-14-77	0.29
04120021	North Branch Crockery Creek	Crockery Creek	Lat 43°11'42", long 85°53'21", in NW1/4 SW1/4 sec.05, T.09 N., R.13 W., Ottawa County, at 40th Ave., 2.5 miles northeast of Ravenna, MI.	---	05-24-71	8.98
					09-14-77	2.47
04120030	Crockery Creek	Grand River	Lat 43°09'44", long 85°57'47", in SW1/4 SW1/4 sec.15, T.09 N., R.14 W., Muskegon County, at Ellis Rd., 2.0 miles southwest of Ravenna, MI.	---	05-24-71	39.7
					09-14-77	14.6
04120100	Crockery Creek	Grand River	Lat 43°04'06", long 86°03'23", in NE1/4 sec.23, T.08 N., R.15 W., Ottawa County, at Fitzgerald St., 1.2 miles southeast of Nunica, MI.	126	07-11-63	16.7
					08-14-63	21.9
					09-19-63	20.9
					10-16-63	20.2
					06-03-64	31.7
					08-19-64	12.2
					04-24-65	153
					07-29-65	18.5

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04120270	Black Creek	Mona Lake	Lat 43°14'03", long 86°04'03", in NE1/4 NE1/4 sec.27, T.10 N., R.15 W., Muskegon County, at Maple Island Rd., 7.0 miles east of Muskegon, MI.	---	07-06-79	0.90
04120280	Black Creek	Mona Lake	Lat 43°13'34", long 86°04'42", in NE1/4 SW1/4 sec.27, T.10 N., R.15 W., Muskegon County, 6.5 miles east of Muskegon, MI.	---	07-06-79	1.60
04120285	Black Creek	Mona Lake	Lat 43°12'56", long 86°05'42", in SW1/4 NE1/4 sec.33, T.10 N., R.15 W., Muskegon County, at Evanston Rd., 2.4 miles southeast of Wolf Lake, MI.	---	10-17-77	34.0
04120295	Black Creek	Mona Lake	Lat 43°12'14", long 86°09'52", in NW1/4 NE1/4 sec.01, T.09 N., R.16 W., Muskegon County, at Mill Iron Rd., 4.8 miles east of Muskegon, MI.	39.0	12-12-73	31.6
					03-12-74	83.6
					04-09-74	84.0
					04-17-74	111
					06-06-74	71.2
					07-16-74	37.2
					09-09-74	36.2
					10-02-74	30.0
					11-05-74	41.9
					03-11-75	57.2
					04-15-75	66.2
					05-20-75	55.4
					07-02-75	53.0
					03-30-76	103
					06-16-76	57.9
					07-08-76	51.2
					08-11-76	37.7
					09-15-76	33.0
					10-20-76	31.8
					04-27-77	59.8
					06-01-77	47.6
					07-06-77	46.8
					08-10-77	38.5
					09-13-77	29.8
					10-12-77	50.8
					04-11-78	157
					05-24-78	59.3
					06-27-78	85.2
					08-02-78	41.8
					09-07-78	35.0
					10-11-78	53.0
					11-15-78	46.4
					03-08-79	218
					09-18-79	27.6
					03-11-80	46.0
					06-18-80	50.6
					09-23-80	99.0
					10-28-80	57.3
					07-22-81	35.1
					08-25-81	29.7
					12-24-81	55.5
					04-12-82	109
					06-28-82	56.6
					08-03-82	46.0
					10-26-82	37.4
					12-07-82	230
					06-28-83	49.3
					07-14-83	32.8
					11-08-83	43.8
					03-27-84	83.2
					07-17-84	30.3
					08-27-84	24.0
04120300	Black Creek	Mona Lake	Lat 43°11'50", long 86°11'11", in NE1/4 SE1/4 sec.03, T.09 N., R.16 W., Muskegon County, at Black Creek Rd., 3.8 miles southeast of Muskegon, MI.	---	01-16-52	162
					02-19-52	57.2
					06-08-70	59.2
					07-30-73	44.4
					12-06-73	61.2
					01-08-74	35.6
					02-20-74	65.9
					03-12-74	116
					04-17-74	176

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04120310	Unnamed tributary	Black Creek	Lat 43°11'15", long 86°12'15", in NW1/4 NW1/4 sec.10, T.09 N., R.16 W., Muskegon County, 1.5 miles south of Muskegon Heights, MI.	---	01-16-52	6.20
					02-19-52	2.06
					10-17-77	1.20
04120315	Black Creek	Mona Lake	Lat 43°11'15", long 86°12'16", in NW1/4 NW1/4 sec.10, T.09 N., R.16 W., Muskegon County, 1.5 miles south of Muskegon Heights, MI.	---	10-17-77	54.8
04120320	Black Creek	Mona Lake	Lat 43°11'16", long 86°12'20", in NE1/4 NE1/4 sec.09, T.09 N., R.16 W., Muskegon County, at U.S. Hwy. 31, at Norton Shores, MI.	61.6	08-30-73	45.6
					11-13-73	35.9
04120330	Little Black Creek	Mona Lake	Lat 43°11'33", long 86°14'18", in SE1/4 SW1/4 sec.05, T.09 N., R.16 W., Muskegon County, at Merrian St., at Muskegon Heights, MI.	6.00	08-30-73	5.80
					11-13-73	5.95
R 04120335	Little Black Creek	Mona Lake	Lat 43°11'11", long 86°14'42", in NE1/4 NE1/4 sec.07, T.09 N., R.16 W., Muskegon County, 0.5 mile south of Muskegon, MI.	---	01-16-52	17.3
					02-19-52	11.8
04120480	Big Creek	Higgins Lake	Lat 44°29'52", long 84°46'44", in NW1/4 SE1/4 sec.03, T.24 N., R.04 W., Roscommon County, at county road, 3.1 miles northwest of Lyon Manor, MI.	10.5	12-18-72	1.60
04120500	Higgins Lake Outlet	Marl Lake	Lat 44°25'59", long 84°40'12", in NW1/4 NW1/4 sec.34, T.24 N., R.03 W., Roscommon County, at county road, 5.9 miles southwest of Roscommon, MI.	49.2	12-18-72	57.8
04120550	Backus Creek	Houghton Lake	Lat 44°19'51", long 84°34'51", in NW1/4 NE1/4 sec.05, T.22 N., R.02 W., Roscommon County, 4.0 miles northeast of Prudenville, MI.	4.00	04-10-44	21.7
					04-24-44	44.1
					10-03-44	2.67
					04-10-45	13.8
					11-01-45	6.32
					01-28-46	5.88
					03-27-46	55.5
					07-17-46	0.01
					09-30-46	0.09
					12-06-46	1.07
					04-08-47	49.5
					07-10-47	1.14
					09-30-47	2.62
					12-22-47	9.00
					04-12-48	57.6
					08-09-48	0.10
					10-19-48	0.00
					12-27-48	0.58
					04-07-49	48.3
					04-07-49	45.5
					08-15-49	0.00
					10-31-49	0.00
					12-12-49	0.00
					04-06-50	117
					04-27-50	45.3
					07-20-50	6.25
					10-27-50	0.79
					01-17-51	8.50
					04-04-51	82.4
					07-31-51	2.28
					10-25-51	23.9
					01-25-52	25.6
					04-16-52	105
					07-25-52	36.5
					10-27-52	0.10
					01-16-53	12.5
					04-24-53	32.9
					10-12-53	0.10
					01-20-54	3.67
					04-21-54	51.5
					07-13-54	3.40

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04120550	Backus Creek	Houghton Lake	Continued		10-11-54	31.3
					01-27-55	7.14
					04-21-55	38.9
					07-11-55	0.00
					10-11-55	0.00
					01-25-56	2.36
					04-12-56	96.9
					07-24-56	8.67
					10-09-56	1.44
					01-23-57	9.64
					04-29-57	36.0
					07-11-57	139
					10-04-57	0.00
					04-03-58	18.8
					07-16-58	1.35
04120570	Backus Creek	Houghton Lake	Lat 44°21'28", long 84°36'15", in SE1/4 NE1/4 sec.25, T.23 N., R.03 W., Roscommon County, at State Hwy. M-18, 4.7 miles northeast of Prudenville, MI.	---	08-19-71	4.71
04120590	Backus Creek ("The Cut")	Houghton Lake	Lat 44°21'47", long 84°40'48", in NW1/4 NE1/4 sec.28, T.23 N., R.03 W., Roscommon County, 1.4 miles downstream of Higgins Lake, 4.7 miles north of Prudenville.	90.0	06-11-71	83.4
					07-14-71	35.5
					08-19-71	34.1
					09-20-71	27.4
					10-27-71	59.0
					11-11-71	52.6
					04-19-72	306
					05-17-72	150
					06-15-72	51.4
					07-19-72	42.7
					08-16-72	33.3
					09-18-72	43.5
					10-13-72	32.4
					11-13-72	118
					04-09-73	153
					05-07-73	101
					06-21-73	94.4
04120600	Unnamed tributary	Houghton Lake	Lat 44°20'57", long 84°40'54", in SW1/4 SE1/4 sec.28, T.23 N., R.03 W., Roscommon County, at McDonald Dr., 3.8 miles north of Prudenville, MI.	---	04-09-73	0.01
04120610	Unnamed tributary	Houghton Lake	Lat 44°22'24", long 84°41'49", in SE1/4 NE1/4 sec.20, T.23 N., R.03 W., Roscommon County, at County Road 100, 5.7 miles north of Prudenville, MI.	---	06-11-71	0.68
					04-19-72	15.5
					05-17-72	1.24
					10-13-72	0.00
					11-13-72	0.14
					04-09-73	1.38
					05-07-73	0.68
04120620	Unnamed tributary	Houghton Lake	Lat 44°20'28", long 84°40'23", in NE1/4 SE1/4 sec.33, T.23 N., R.03 W., Roscommon County, at Oneida Rd., 3.1 miles north of Prudenville, MI.	---	04-09-73	0.03
04120630	Unnamed tributary	Houghton Lake	Lat 44°20'19", long 84°39'45", in NW1/4 SE1/4 sec.34, T.23 N., R.03 W., Roscommon County, at public fishing site, 2.8 miles north of Prudenville, MI.	---	06-11-71	0.25
					04-19-72	6.50
					05-17-72	0.99
					06-15-72	0.05
					11-13-72	0.14
					04-09-73	0.34
					05-07-73	0.20
					06-21-73	0.02
04120640	Unnamed tributary	Houghton Lake	Lat 44°19'33", long 84°38'08", in NE1/4 SE1/4 sec.02, T.22 N., R.03 W., Roscommon County, at County Road 100, at Harvey Marina, 2.1 miles north of Prudenville, MI.	---	06-11-71	10.9
					07-14-71	3.73
					04-19-72	30.0
					05-17-72	5.00
					06-15-72	3.00
					11-13-72	4.77
					04-09-73	26.3
					05-07-73	4.31
04120650	Unnamed tributary	Houghton Lake	Lat 44°19'15", long 84°38'00", in SE1/4 SE1/4 sec.02, T.22 N., R.03 W., Roscommon County, 300 feet below County Road 100, 1.8 miles north of Prudenville, MI.	---	06-10-71	0.06
					04-19-72	3.97
					05-17-72	0.61
					07-19-72	0.07
					10-13-72	0.01
					11-13-72	0.14
					04-09-73	0.06
					05-07-73	0.08

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04120670	Unnamed tributary	Houghton Lake	Lat 44°19'10", long 84°37'57", in NE1/4 NE1/4 sec.11, T.22 N., R.03 W., Roscommon County, at Silver Dr., 1.8 miles north of Prudenville, MI.	---	11-13-72	0.01
					04-09-73	0.01
					05-07-73	0.00
04120690	Spring Brook	Houghton Lake	Lat 44°18'37", long 84°38'12", in NE1/4 SE1/4 sec.11, T.22 N., R.03 W., Roscommon County, 1.1 miles northeast of Prudenville, MI.	1.31	06-11-71	0.80
					07-14-71	0.34
					08-19-71	0.30
					09-20-71	0.04
					10-27-71	0.43
					11-11-71	0.52
					04-19-72	5.32
					05-17-72	1.47
					06-15-72	1.04
					07-19-72	0.46
					08-16-72	0.37
					09-18-72	0.24
					10-13-72	0.22
					11-13-72	0.25
					04-09-73	1.36
					05-07-73	0.20
					06-21-73	0.72
04120740	Denton Creek	Houghton Lake	Lat 44°17'08", long 84°38'07", in SE1/4 NE1/4 sec.14, T.22 N., R.03 W., Roscommon County, 200 feet downstream of Lake James control, 0.9 miles east of Prudenville, MI.	47.3	06-11-71	4.96
					07-15-71	0.85
					08-19-71	1.04
					09-20-71	0.84
					10-27-71	3.84
					11-11-71	0.81
					04-19-72	140
					05-17-72	27.2
					06-15-72	3.92
					07-19-72	7.11
					08-16-72	3.21
					09-18-72	2.97
					10-13-72	5.41
					11-13-72	21.8
					04-09-73	39.7
					05-07-73	19.0
					06-21-73	6.77
04120780	Knappen Creek	Houghton Lake	Lat 44°17'58", long 84°39'02", in SW1/4 NW1/4 sec.14, T.22 N., R.03 W., Roscommon County, at State Hwy. M-55, at Prudenville, MI.	4.60	06-11-71	2.00
					07-14-71	8.97
					08-19-71	0.47
					09-20-71	1.27
					10-27-71	1.03
					11-11-71	2.07
					04-19-72	31.9
					05-17-72	7.06
					06-15-72	2.28
					07-19-72	4.32
					08-16-72	2.97
					09-18-72	1.34
					10-13-72	1.70
					11-13-72	4.37
					04-09-73	7.72
					05-07-73	4.76
					06-21-73	1.96
04120785	Unnamed tributary	Houghton Lake	Lat 44°17'54", long 84°39'33", in SW1/4 NE1/4 sec.15, T.22 N., R.03 W., Roscommon County, at State Hwy. M-55, at 7th St., at Prudenville, MI.	---	04-19-72	0.93
					05-17-72	0.38
					06-15-72	0.15
					07-19-72	0.06
					08-16-72	0.37
					09-18-72	0.06
					10-13-72	0.04
					11-13-72	0.43
					04-09-73	0.06
					05-07-73	0.27
					06-21-73	0.08
04120790	Unnamed tributary	Houghton Lake	Lat 44°17'55", long 84°40'23", in SE1/4 NE1/4 sec.16, T.22 N., R.03 W., Roscommon County, at State Hwy. M-55, 1.1 miles west of Prudenville, MI.	---	06-11-71	0.28
					04-19-72	13.3
					05-17-72	1.64
					06-15-72	0.25
					07-19-72	0.20
					08-16-72	0.17
					09-18-72	0.01
					10-13-72	0.01
					11-13-72	0.07
					04-09-73	2.48
					05-07-73	1.60
					06-21-73	0.48

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	 Discharge (ft³/s)
04120795	Unnamed tributary	Houghton Lake	Lat 44°17'56", long 84°40'48", in SW1/4 NE1/4 sec.16, T.22 N., R.03 W., Roscommon County, at State Hwy. M-55, 1.4 miles west of Prudenville, MI.	---	06-10-71	0.06
					04-19-72	0.10
					05-17-72	0.10
					06-15-72	0.02
					07-19-72	0.01
					08-16-72	0.20
					11-13-72	0.01
					04-09-73	0.04
					05-07-73	0.02
					06-21-73	0.00
04120800	Unnamed tributary	Houghton Lake	Lat 44°17'56", long 84°41'02", in SE1/4 NW1/4 sec.16, T.22 N., R.03 W., Roscommon County, at State Hwy. M-55, 1.6 miles west of Prudenville, MI.	---	06-11-71	0.10
					04-19-72	0.50
					05-17-72	0.36
					06-15-72	0.01
					07-19-72	0.01
					08-16-72	0.05
					11-13-72	0.04
					04-09-73	0.02
					05-07-73	0.03
					06-21-73	0.01
04120805	Unnamed tributary	Houghton Lake	Lat 44°17'56", long 84°41'20", in SW1/4 NW1/4 sec.16, T.22 N., R.03 W., Roscommon County, at State Hwy. M-55, 1.9 miles west of Prudenville, MI.	---	06-10-71	0.10
					04-19-72	0.80
					05-17-72	0.32
					06-15-72	0.17
					07-19-72	0.05
					08-16-72	0.96
					09-18-72	0.02
					10-13-72	0.02
					11-13-72	0.07
					04-09-73	0.10
					05-07-73	0.18
					06-21-73	0.04
04120810	Unnamed tributary	Houghton Lake	Lat 44°17'56", long 84°41'31", in SW1/4 NW1/4 sec.16, T.22 N., R.03 W., Roscommon County, at State Hwy. M-55, 1,200 feet west of Chippewa Trail, 2.0 miles west of Prudenville, MI.	---	05-17-72	0.20
					06-15-72	0.01
					07-19-72	0.01
					08-16-72	0.01
					09-18-72	0.01
					11-13-72	0.03
					04-09-73	0.01
					05-07-73	0.01
04120815	Unnamed tributary	Houghton Lake	Lat 44°17'54", long 84°42'44", in NW1/4 SW1/4 sec.17, T.22 N., R.03 W., Roscommon County, at State Hwy. M-55, at Spartan Plaza, 3.0 miles west of Prudenville, MI.	---	04-19-72	0.10
					05-17-72	0.10
					06-15-72	0.01
					07-19-72	0.01
					08-16-72	0.03
					11-13-72	0.02
					04-09-73	0.01
					05-07-73	0.01
					06-21-73	0.01
04120820	Unnamed tributary	Houghton Lake	Lat 44°17'59", long 84°44'26", in SW1/4 NE1/4 sec.13, T.22 N., R. 4 W., Roscommon County, at State Hwy. M-55, 1.6 miles southeast of Houghton Lake, MI.	---	06-11-71	0.01
					04-19-72	0.07
					05-17-72	0.01
					06-15-72	0.01
					07-19-72	0.01
					08-16-72	0.01
					11-13-72	0.01
					04-03-73	0.01
					05-07-73	0.01
					06-21-73	0.01
04120825	Unnamed tributary	Houghton Lake	Lat 44°22'28", long 84°43'04", in NE1/4 NE1/4 sec.19, T.23 N., R.03 W., Roscommon County, 300 feet downstream of County Road 300, 6.2 miles north of Prudenville, MI.	---	06-10-71	0.10
					04-19-72	3.71
					05-17-72	0.55
					07-19-72	0.04
					11-13-72	0.03
					04-09-73	0.15
					05-07-73	0.02
					06-21-73	0.02
04120830	Unnamed tributary	Houghton Lake	Lat 44°22'28", long 84°43'32", in NE1/4 NW1/4 sec.19, T.23 N., R.03 W., Roscommon County, 300 feet downstream of County Road 300, 6.4 miles north of Prudenville, MI.	---	06-10-71	0.10
					04-19-72	8.05
					05-17-72	0.86
					11-13-72	0.07
					04-09-73	0.24
					05-07-73	0.04

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04120835	Unnamed tributary	Houghton Lake	Lat 44°22'33", long 84°44'08", in NW1/4 NW1/4 sec.19, T.23 N., R.03 W., Roscommon County, at County Road 300, 5.2 miles northeast of Houghton Heights, MI.	---	06-11-71	0.63
					04-19-72	12.5
					05-17-72	1.72
					06-15-72	0.12
					07-19-72	0.07
					08-16-72	0.03
					10-13-72	0.04
					11-13-72	0.22
					04-09-73	0.29
					05-07-73	0.04
04120840	Unnamed tributary	Houghton Lake	Lat 44°20'47", long 84°47'39", in SE1/4 NE1/4 sec.33, T.23 N., R.04 W., Roscommon County, at Peters Rd., 1.7 miles north of Houghton Heights, MI.	---	05-07-73	0.01
04120850	Unnamed tributary	Houghton Lake	Lat 44°23'18", long 84°45'08", in SW1/4 NW1/4 sec.13, T.23 N., R.04 W., Roscommon County, 10 feet upstream of mouth, 4.4 miles north of Houghton Heights, MI.	---	06-11-71	0.25
					04-19-72	7.28
					05-17-72	0.05
					06-15-72	0.11
					07-19-72	0.01
					08-16-72	0.01
					09-18-72	0.04
					10-13-72	0.00
					11-13-72	0.05
					04-09-73	1.28
					05-07-73	0.03
04120855	Unnamed tributary	Houghton Lake	Lat 44°23'19", long 84°45'08", in SW1/4 NW1/4 sec.13, T.23 N., R.04 W., Roscommon County, 10 feet upstream of mouth, 4.4 miles north of Houghton Heights, MI.	---	04-19-72	9.79
					11-13-72	0.08
04120860	Unnamed tributary	Houghton Lake	Lat 44°23'37", long 84°45'12", in SW1/4 SW1/4 sec.12, T.23 N., R.04 W., Roscommon County, at county road, 4.7 miles north of Houghton Heights, MI.	---	06-11-71	0.16
					04-19-72	9.10
					05-17-72	1.07
					06-15-72	0.03
					07-19-72	0.01
					08-16-72	0.01
					10-13-72	0.02
					11-13-72	0.17
					04-09-73	0.22
					05-07-73	0.09
					06-21-73	0.03
04120865	Sucker Creek	Houghton Lake	Lat 44°24'06", long 84°45'47", in SW1/4 NE1/4 sec.11, T.23 N., R.04 W., Roscommon County, at county road, 5.1 miles north of Houghton Heights, MI.	---	06-11-71	1.08
					04-19-72	15.0
					05-17-72	4.91
					07-19-72	0.46
					08-16-72	0.06
					10-13-72	0.11
					11-13-72	2.21
					04-19-73	4.21
					05-07-73	1.42
					06-21-73	0.23
04120870	Unnamed tributary	Houghton Lake	Lat 44°24'07", long 84°45'56", in SE1/4 NW1/4 sec.11, T.23 N., R.04 W., Roscommon County, at county road, 0.1 miles east of DNR campground, 5.2 miles north of Houghton Heights, MI.	---	04-19-72	2.55
					05-17-72	0.08
					08-16-72	0.01
					11-13-72	0.03
					04-09-73	0.12
					05-07-73	0.03
04120875	Unnamed tributary	Houghton Lake	Lat 44°24'06", long 84°46'11", in SE1/4 NW1/4 sec.11, T.23 N., R.04 W., Roscommon County, at county road, at campground, 5.2 miles north of Houghton Heights, MI.	---	06-11-71	0.33
					04-19-72	10.6
					05-17-72	1.98
					06-15-72	0.01
					10-13-72	0.22
					11-13-72	0.13
					04-09-73	1.30
					05-07-73	0.11
04120880	Unnamed tributary	Houghton Lake	Lat 44°24'04", long 84°46'28", in SW1/4 NW1/4 sec.11, T.23 N., R.04 W., Roscommon County, at county road at west end of campground, 5.1 miles north of Houghton Heights, MI.	---	04-19-72	0.01
					06-15-72	0.01
					07-19-72	0.01
					04-09-73	0.01
					05-07-73	0.00

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04120890	Unnamed tributary	Muskegon River	Lat 44°24'11", long 84°47'09", in SE1/4 NW1/4 sec.10, T.23 N., R.04 W., Roscommon County, at county road, 5.3 miles north of Houghton Heights, MI.	---	06-11-71	2.46
					04-21-72	12.1
					05-17-72	3.36
					07-19-72	0.24
					08-16-72	0.03
					09-18-72	0.02
					10-13-72	0.60
					11-13-72	2.52
					04-09-73	2.06
					05-07-73	1.25
					06-21-73	0.02
04120895	Unnamed tributary	Muskegon River	Lat 44°24'15", long 84°47'11", in NE1/4 NW1/4 sec.10, T.23 N., R.04 W., Roscommon County, at county road, 5.4 miles north of Houghton Heights, MI.	---	04-21-72	3.90
					05-17-72	0.89
					10-13-72	0.01
					11-13-72	0.09
					04-09-73	0.23
					05-07-73	0.19
					06-21-73	0.02
04120900	Muskegon River	Muskegon Lake	Lat 44°24'16", long 84°47'27", in NW1/4 NW1/4 sec.10, T.23 N., R.04 W., Roscommon County, at old U.S. Hwy. 27, 5.4 miles north of Houghton Heights, MI.	222	09-10-53	70.8
					06-11-71	257
					07-14-71	109
					08-19-71	89.1
					09-20-71	49.4
					10-27-71	2.68
					11-11-71	4.76
					04-19-72	323
					05-17-72	370
					06-15-72	115
					07-19-72	141
					08-16-72	16.2
					09-18-72	37.1
					10-13-72	39.8
					11-13-72	131
					04-09-73	331
					05-07-73	277
					06-21-73	84.1
04120910	Unnamed tributary	Muskegon River	Lat 44°22'17", long 84°48'25", in NE1/4 SW1/4 sec.21, T.23 N., R.04 W., Roscommon County, at U.S. Hwy. 27, 3.5 miles north of Houghton Heights, MI.	---	06-11-71	0.27
					04-19-72	4.42
					05-17-72	2.49
					06-15-72	0.69
					07-19-72	0.29
					08-16-72	0.20
					09-18-72	0.20
					10-13-72	0.05
					11-13-72	0.10
					04-09-73	1.74
					05-07-73	0.89
					06-21-73	0.12
R 04120915	Dead Stream	Muskegon River	Lat 44°24'49", long 84°49'52", in NW1/4 SW1/4 sec.05, T.23 N., R.04 W., Roscommon County, 6.3 miles northwest of Houghton Heights, MI.	---	09-10-53	0.00
04120925	Muskegon River	Muskegon Lake	Lat 44°21'20", long 84°51'30", in NE1/4 SE1/4 sec.25, T.23 N., R.05 W., Missaukee County, at Reedsburg Dam, near Houghton Lake, MI.	305	04-03-53	74.2
					04-23-53	414
					10-20-53	93.5
					01-21-54	123
					05-19-54	226
					07-13-54	230
					07-27-55	83.4
					10-12-55	41.8
					07-09-63	170
04121000	Muskegon River	Muskegon Lake	Lat 44°20'08", long 84°53'24", in NW1/4 NW1/4 sec.02, T.22 N., R.05 W., Missaukee County, at State Hwy. M-55, 2.7 miles east of Merritt, MI.	355	10-15-73	163
					12-05-73	266
					04-18-74	855
					07-24-74	258
04121001	Butterfield Creek	Muskegon River	Lat 44°17'40", long 85°07'27", in NW1/4 NE1/4 sec.23, T.22 N., R.07 W., Missaukee County, at Kelly Rd., 5.2 miles southeast of Lake City, MI.	17.0	08-01-72	0.15
					08-23-72	0.56
04121002	Butterfield Creek	Muskegon River	Lat 44°15'20", long 85°03'14", in NE1/4 SE1/4 sec.32, T.22 N., R.06 W., Missaukee County, at 8 Mile Rd., 1.9 miles northeast of Falmouth, MI.	24.0	08-23-72	4.43

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04121003	Butterfield Creek	Muskegon River	Lat 44°15'22", long 85°02'02", in NE1/4 SE1/4 sec.33, T.22 N., R.06 W., Missaukee County, at 9 Mile Rd., 2.9 miles northeast of Falmouth, MI.	---	08-01-72	3.66
04121004	Butterfield Creek	Muskegon River	Lat 44°16'12", long 84°57'12", in NE1/4 SE1/4 sec.30, T.22 N., R.05 W., Missaukee County, at Merritt Rd., 4.3 miles south of Merritt, MI.	---	08-01-72	10.2
					08-23-72	16.5
04121005	Bear Creek	Muskegon River	Lat 44°13'57", long 84°51'05", in NW1/4 NW1/4 sec.07, T.21 N., R.04 W., Roscommon County, 7.0 miles southwest of Houghton Lake, MI.	---	08-27-53	43.5
					01-07-54	9.18
					04-29-54	64.4
					07-13-54	7.07
					10-11-54	23.4
					10-22-54	0.01
					04-21-55	38.4
					07-25-55	0.49
					10-24-55	6.12
					01-11-56	5.20
04121150	South Branch Town Line Creek	Town Line Creek	Lat 44°08'39", long 84°46'57", in NE1/4 NW1/4 sec.10, T.20 N., R.04 W., Clare County, at Old U.S. 27, 8.4 miles north of Harrison, MI.	---	09-20-60	2.05
04121155	Town Line Creek	Muskegon River	Lat 44°10'03", long 84°50'42", in NE1/4 SW1/4 sec.31, T.21 N., R.04 W., Roscommon County, 11.0 miles north of Harrison, MI.	---	09-20-60	11.2
04121185	Mitchell Creek	Clam River	Lat 44°13'45", long 85°32'45", in SE1/4 sec.08, T.21 N., R.10 W., Wexford County, at Pole Rd., 8.7 miles northeast of Boxeyville, MI.	---	04-15-70	11.7
					08-26-70	1.75
04121190	Brandy Creek	Clam River	Lat 44°15'15", long 85°30'05", in SE1/4 sec.34, T.22 N., R.10 W., Wexford County, 5.0 miles west of Cadillac, MI.	---	04-15-70	17.6
04121195	Gyttja Lake Outlet	Clam River	Lat 44°16'09", long 85°29'07", in SW1/4 SE1/4 sec.26, T.22 N., R.10 W., Wexford County, 4.0 miles west of Cadillac, MI.	---	04-15-70	15.4
					08-26-70	0.20
04121235	Clam River	Muskegon River	Lat 44°15'15", long 85°24'35", in SE1/4 SW1/4 sec.33, T.22 N., R.09 W., Wexford County, downstream of dam at Cadillac, MI.	46.6	08-26-70	0.58
					06-28-83	3.73
					07-12-83	5.41
					08-16-83	5.50
					08-31-83	4.20
					09-14-83	4.36
					11-07-83	44.8
R 04121237	Clam River	Muskegon River	Lat 44°15'20", long 85°24'24", in SE1/4 SW1/4 sec.33, T.22 N., R.09 W., Wexford County, at Lake St., at Cadillac, MI.	---	04-15-70	50.5
					05-11-73	58.8
					06-11-75	47.0
					07-29-75	3.48
04121239	Clam River	Muskegon River	Lat 44°15'49", long 85°24'04", in NE1/4 NE1/4 sec.33, T.22 N., R.09 W., Wexford County, at Smith Rd., at Cadillac, MI.	---	06-28-83	4.13
					07-12-83	3.41
					08-16-83	4.39
					08-31-83	4.50
					11-07-83	47.4
04121241	Clam River	Muskegon River	Lat 44°16'02", long 85°23'48", in SE1/4 SE1/4 sec.28, T.22 N., R.09 W., Wexford County, at Plett Rd., at Cadillac, MI.	---	06-11-75	48.2
					07-29-75	6.88
					08-06-75	6.64
					06-28-83	6.28
					07-12-83	7.40
					08-16-83	6.24
					08-31-83	7.40
					11-07-83	57.6

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
R 04121243	Clam River	Muskegon River	Lat 44°16'53", long 85°23'02", in SW1/4 SE1/4 sec.22, T.22 N., R.09 W., Wexford County, at Boon Rd., 1.0 mile north of Cadillac, MI.	---	05-16-46	1.42
					06-10-75	47.6
					07-29-75	5.74
					08-05-75	5.40
					08-06-75	5.28
					06-28-83	5.65
					06-29-83	4.32
					07-12-83	5.47
					08-16-83	5.84
					08-31-83	5.50
					09-14-83	5.71
					11-07-83	56.9
R 04121244	Clam River	Muskegon River	Lat 44°17'17", long 85°21'36", in NE1/4 SE1/4 sec.23, T.22 N., R.09 W., Wexford County, at trailer park off Boon Rd., 2.5 miles northeast of Cadillac, MI.	---	05-16-46	1.06
					08-05-75	2.83
					06-28-83	5.41
					06-29-83	3.72
					07-12-83	3.64
					08-16-83	4.12
					08-31-83	4.20
					09-14-83	4.41
					11-07-83	46.8
04121245	Clam River	Muskegon River	Lat 44°17'23", long 85°21'15", in SW1/4 NW1/4 sec.24, T.22 N., R.09 W., Wexford County, east of trailer park off Boon Rd., 2.8 miles northeast of Cadillac, MI.	---	05-16-46	1.24
R 04121247	Clam River	Muskegon River	Lat 44°17'04", long 85°20'13", in SE1/4 SE1/4 sec.24, T.22 N., R.09 W., Wexford County, at County Line Road, 3.0 miles east of Cadillac, MI.	---	05-16-46	3.10
					06-10-75	49.8
					07-29-75	4.53
					08-05-75	6.05
					06-28-83	6.73
					07-12-83	4.02
					08-16-83	3.90
					08-31-83	3.50
					09-14-83	3.25
					11-07-83	45.5
04121250	Clam River	Muskegon River	Lat 44°17'06", long 85°17'45", in SE1/4 SE1/4 sec.20, T.22 N., R.08 W., Missaukee County, at LaChance Rd., 3.0 miles south of Jennings, MI.	---	03-12-45	27.1
					08-31-45	31.4
					04-22-46	22.8
					05-16-46	15.0
					07-08-46	23.3
					08-05-46	11.0
					09-17-46	11.1
					10-07-46	10.2
					11-13-46	12.2
					12-09-46	12.3
					01-14-47	11.2
					02-11-47	48.0
					03-11-47	18.8
					04-07-47	61.5
					05-21-47	129
					06-11-47	40.0
					07-09-47	21.3
					08-13-47	12.8
					09-10-47	11.9
					10-28-47	19.9
					11-24-47	14.6
					12-29-47	12.7
					01-20-48	14.1
					02-25-48	35.3
					04-20-48	75.8
					05-12-48	59.3
					06-07-48	20.0
					07-06-48	13.6
					08-03-48	13.9
					09-02-48	14.1
					10-04-48	10.6
					11-09-48	9.71
					12-23-48	10.7
					01-27-49	10.7
					02-24-49	14.0
					03-31-49	89.9
					04-27-49	77.4
					05-26-49	17.6
					06-28-49	43.4
					07-26-49	13.8
					08-30-49	9.48
					09-28-49	8.91
					10-25-49	10.3
					11-28-49	10.4
					12-20-49	11.6
					02-06-50	43.9
					02-27-50	36.0
					03-22-50	40.1

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04121250	Clam River	Muskegon River	Continued		03-31-50	34.4
					04-26-50	103
					05-23-50	38.6
					06-22-50	18.0
					07-27-50	12.9
					08-30-50	13.8
					09-27-50	10.5
					10-26-50	9.66
					11-26-50	12.5
					12-27-50	8.21
					01-10-51	28.8
					02-21-51	33.5
					04-12-51	95.1
					06-10-75	59.2
					07-29-75	12.8
					08-05-75	12.6
					06-28-83	20.4
					06-29-83	16.4
					07-12-83	13.7
					08-16-83	13.2
					08-31-83	12.3
					09-14-83	12.6
					11-07-83	49.9
04121255	Clam River	Muskegon River	Lat 44°15'45", long 85°15'15", in SE1/4 NE1/4 sec.34, T.22 N., R.08 W., Missaukee County, at State Hwy. M-55, 3.3 miles south of Jennings, MI.	---	05-16-46	23.5
					06-28-83	33.6
					06-29-83	26.4
					07-12-83	20.4
04121300	Clam River	Muskegon River	Lat 44°12'02", long 85°03'10", in SW1/4 NW1/4 sec.21, T.21 N., R.06 W., Missaukee County, 0.5 miles north of Vogel Center, 3.5 miles southeast of Falmouth, MI.	243	10-28-59	148
					01-14-60	130
					04-15-60	399
					07-08-60	83.1
					10-10-60	85.2
					01-11-61	90.2
					04-13-61	95.6
					07-28-61	61.9
					10-12-61	102
					01-23-62	101
					04-12-62	175
					07-12-62	61.3
					10-11-62	99.8
					01-30-63	62.4
					04-29-63	102
					07-11-63	52.6
					10-10-63	57.9
					01-30-64	100
					04-29-64	244
					07-30-64	56.7
					10-29-64	76.7
					01-28-65	87.7
					04-29-65	245
					07-29-65	51.5
					10-28-65	141
					01-28-66	134
					04-28-66	128
04121350	Muskegon River	Muskegon Lake	Lat 44°02'15", long 85°02'02", in NW1/4 SE1/4 sec.16, T.19 N., R.06 W., Clare County, at State Hwy. M-61, 0.5 mile northwest of Temple, MI.	---	04-01-49	2110
					04-05-49	1940
04121400	Middle Branch River	Muskegon River	Lat 44°06'40", long 85°12'22", in SE1/4 NE1/4 sec.24, T.20 N., R.08 W., Osceola County, at Crawford Rd., 3.0 miles west of Marion, MI.	---	08-09-63	15.2
04121600	Hersey River	Muskegon River	Lat 43°52'21", long 85°29'56", in NW1/4 NW1/4 sec.15, T.17 N., R.10 W., Osceola County, 200 feet upstream of WWTP at Reed City, MI.	---	06-29-72	42.1
04121605	Hersey River	Muskegon River	Lat 43°52'15", long 85°29'39", in NE1/4 NW1/4 sec.15, T.17 N., R.10 W., Osceola County, at county highway, at Reed City, MI.	---	06-27-72	43.2
04121615	Hersey River	Muskegon River	Lat 43°50'58", long 85°26'17", in NW1/4 SW1/4 sec.19, T.17 N., R.09 W., Osceola County, 0.4 miles upstream of mouth,, at Hersey, MI.	---	06-29-72	52.6

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04121620	Hersey River	Muskegon River	Lat 43°50'55", long 85°25'59", in NW1/4 SE1/4 sec.19, T.17 N., R.09 W., Osceola County, 200 feet upstream of mouth, 0.6 miles east of Hersey, MI.	---	09-24-79	58.4
04121800	Gilbert Creek	West Br. Little Muskegon River	Lat 43°37'35", long 85°17'14", in NE1/4 NE1/4 sec.08, T.14 N., R.08 W., Mecosta County, at State Hwy. M-20, 2.75 miles west of Mecosta, MI.	18.0	07-10-63	3.02
R 04121802	Dead Stream	West Br. Little Muskegon River	Lat 43°37'36", long 85°17'26", in NW1/4 NE1/4 sec.08, T.14 N., R.08 W., Mecosta County, at State Hwy. M-20, 3.0 miles west of Mecosta, MI.	25.0	07-10-63	3.06
R 04121810	West Branch Little Muskegon River	Little Muskegon River	Lat 43°36'32", long 85°17'14", in NE1/4 NE1/4 sec.17, T.14 N., R.08 W., Mecosta County, 4.0 miles southwest of Mecosta, MI.	38.0	11-07-56 02-20-57 04-04-57	16.9 25.0 24.7
04121815	West Branch Little Muskegon River	Little Muskegon River	Lat 43°35'26", long 85°16'49", in NW1/4 SW1/4 sec.21, T.14 N., R.08 W., Mecosta County, at Buchanan Rd., 3.2 miles southwest of Mecosta, MI.	40.0	07-10-63	10.0
04121903	Tamarack Creek	Little Muskegon River	Lat 43°29'14", long 85°12'52", in NW1/4 SE1/4 sec.25, T.13 N., R.08 W., Mecosta County, at 65th Ave., 7.5 miles southwest of Millbrook, MI.	---	09-23-75	0.92
04121904	Tamarack Creek	Little Muskegon River	Lat 43°28'53", long 85°13'28", in NE1/4 NE1/4 sec.35, T.13 N., R.08 W., Mecosta County, at 70th Ave., 8.0 miles southwest of Millbrook, MI.	---	09-23-75	2.96
04121905	Tamarack Creek	Little Muskegon River	Lat 43°28'14", long 85°14'39", in SE1/4 SE1/4 sec.34, T.13 N., R.08 W., Mecosta County, at 80th Ave., 9.5 miles southwest of Millbrook, MI.	---	09-23-75	5.30
04121906	Unnamed tributary	Tamarack Creek	Lat 43°28'55", long 85°14'54", in SE1/4 SE1/4 sec.27, T.13 N., R.08 W., Mecosta County, at 1 Mile Rd., 2.5 miles northeast of Lakeview, MI.	---	09-23-75	3.52
04121907	Tamarack Creek	Little Muskegon River	Lat 43°28'03", long 85°15'14", in SE1/4 SW1/4 sec.34, T.13 N., R.08 W., Mecosta County, at Bale Rd., 2.0 miles northeast of Lakeview, MI.	---	09-23-75	9.31
04121910	Tamarack Creek	Little Muskegon River	Lat 43°27'18", long 85°16'24", in SE1/4 SW1/4 sec.04, T.12 N., R.08 W., Montcalm County, at Lakeview Rd., 0.5 miles north of Lakeview, MI.	---	11-04-69 11-26-69 08-12-75 09-03-75 09-23-75	3.93 3.65 2.87 43.4 12.7
04121911	Tamarack Lake Inlet	Tamarack Lake	Lat 43°26'54", long 85°15'30", in SW1/4 NW1/4 sec.10, T.12 N., R.08 W., Montcalm County, at public access road, 1.0 mile east of Lakeview, MI.	---	08-12-75 09-03-75	0.16 2.01
04121912	Tamarack Lake Outlet	Tamarack Creek	Lat 43°26'46", long 85°17'08", in SE1/4 NE1/4 sec.08, T.12 N., R.08 W., Montcalm County, at North St., at Lakeview, MI.	---	09-23-75	2.04
04121914	Tamarack Creek	Little Muskegon River	Lat 43°27'02", long 85°17'36", in NE1/4 NW1/4 sec.08, T.12 N., R.08 W., Montcalm County, at Satterlee Rd., 0.5 miles northwest of Lakeview, MI.	---	09-23-75	18.3
04121915	Tamarack Creek	Little Muskegon River	Lat 43°26'22", long 85°18'45", in SE1/4 SW1/4 sec.07, T.12 N., R.08 W., Montcalm County, at Nimberger Rd., 1.5 miles west of Lakeview, MI.	---	11-04-69 11-26-69	13.2 11.9

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04121916	Unnamed tributary	Tamarack Creek	Lat 43°26'46", long 85°19'36", in SE1/4 NE1/4 sec.12, T.12 N., R.09 W., Montcalm County, at Yankee Rd., 2.2 miles west of Lakeview, MI.	---	08-12-75	0.86
04121917	Pickeral Lake Outlet	Tamarack Creek	Lat 43°25'53", long 85°19'28", in SE1/4 NE1/4 sec.13, T.12 N., R.09 W., Montcalm County, at State Hwy. M-46, 2.4 miles southwest of Lakeview, MI.	---	08-12-75	1.38
04121918	Tamarack Creek	Little Muskegon River	Lat 43°25'18", long 85°21'47", in SE1/4 NE1/4 sec.22, T.12 N., R.09 W., Montcalm County, at Masters Rd., 1.3 miles southeast of Amble, MI.	---	05-11-71	29.6
04121919	Tamarack Creek	Little Muskegon River	Lat 43°23'42", long 85°25'00", in NW1/4 NW1/4 sec.32, T.12 N., R.09 W., Montcalm County, at Marble Rd., 2.6 miles east of Howard City, MI.	---	05-11-71	47.0
04121920	Tamarack Creek	Little Muskegon River	Lat 43°24'03", long 85°26'06", in NW1/4 SE1/4 sec.26, T.12 N., R.10 W., Montcalm County, at U.S. Hwy. 131, at Howard City, MI.	85.4	02-12-73	95.9
					03-19-73	144
					04-17-73	125
					05-23-73	79.0
					07-09-73	45.9
					08-13-73	39.4
					10-01-73	34.5
					01-02-74	59.7
					03-11-74	263
					06-05-74	74.1
					07-15-74	43.5
					08-12-74	40.0
					07-02-75	35.1
					07-07-76	54.0
					08-10-76	32.9
					11-22-76	33.7
					07-07-77	25.3
					08-09-77	22.4
04121925	Tamarack Creek	Little Muskegon River	Lat 43°23'42", long 85°30'17", in NE1/4 NE1/4 sec.33, T.12 N., R.10 W., Montcalm County, at State Hwy. M-46, 2.0 miles west of Howard City, MI.	---	05-11-71	56.8
04121930	Whitefish Lake Outlet	Tamarack Creek	Lat 43°20'27", long 85°32'31", in SE1/4 SE1/4 sec.18, T.11 N., R.10 W., Montcalm County, 2.6 miles northwest of Pierson, MI.	---	08-30-44	0.60
					09-21-48	3.04
04121935	Tamarack Creek	Little Muskegon River	Lat 43°23'45", long 85°32'33", in SE1/4 SE1/4 sec.30, T.12 N., R.10 W., Montcalm County, at State Hwy. M-46, 3.6 miles west of Howard City, MI.	---	08-12-75	9.32
04121940	Tamarack Creek	Little Muskegon River	Lat 43°24'00", long 85°33'35", in NW1/4 SW1/4 sec.30, T.12 N., R.10 W., Montcalm County, at County Line Rd., 4.5 miles west of Howard City, MI.	---	05-11-71	106
R 04122005	Hess lake Outlet	Muskegon River	Lat 43°23'30", long 85°45'18", in NE1/4 NW1/4 sec.33, T.12 N., R.12 W., Newaygo County, 3.0 miles southeast of Newaygo, MI.	22.0	11-21-44	3.93
					04-18-46	11.4
					04-10-47	31.9
					08-17-48	1.40
					12-07-48	5.62
					06-14-49	6.10
					09-13-49	2.54
					01-24-50	11.5
					04-12-50	30.0
					07-19-50	6.09
					10-25-50	5.74
					01-24-51	10.8
					06-05-51	11.0
					09-05-51	3.08
					11-04-52	3.65
					02-02-53	8.63
					04-03-53	17.6
					07-09-53	4.78
					10-08-53	7.87
					01-14-54	5.87
					06-09-54	7.74

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04122005	Bess Lake Outlet	Muskegon River	Continued		07-15-54	2.91
					10-08-54	16.5
					02-01-55	9.59
					05-12-55	12.2
					08-19-55	0.50
					10-12-55	3.43
					01-04-56	6.12
					05-17-56	35.9
					07-18-56	2.59
					10-03-56	2.08
					01-08-57	0.00
					04-09-57	14.8
					07-09-57	21.6
					10-10-57	1.36
					01-16-58	8.53
					04-09-58	9.90
					07-16-58	0.00
					10-08-58	10.8
					01-14-59	10.6
04122010	Brooks Creek	Muskegon River	Lat 43°25'01", long 85°48'19", in SE1/4 NE1/4 sec.24, T.12 N., R.13 W., Newaygo County, at State Hwy. M-37, at Newaygo, MI.	---	07-31-78	4.98
04122025	Muskegon River	Muskegon Lake	Lat 43°20'50", long 85°56'22", in SE1/4 NE1/4 sec.14, T.11 N., R.14 W., Newaygo County, at Warner Rd., at Bridgeton, MI.	---	10-12-77	1040
					11-15-77	2370
					04-11-78	5990
					05-24-78	2040
04122035	Daisy Creek	Fremont Lake	Lat 43°28'20", long 85°56'48", in NW1/4 SE1/4 sec.35, T.13 N., R.14 W., Newaygo County, at 44th St., at Fremont, MI.	13.0	08-30-73	3.09
04122040	Daisy Creek	Fremont Lake	Lat 43°27'36", long 85°57'33", in SW1/4 NW1/4 sec.02, T.12 N., R.14 W., Newaygo County, at county road adjacent to Fremont Lake, 1.0 mile southwest of Fremont, MI.	---	09-02-48	2.99
					08-30-73	6.57
04122044	Fremont Lake Outlet	Brooks Creek	Lat 43°26'36", long 85°58'33", in NW1/4 SW1/4 sec.10, T.12 N., R.14 W., Newaygo County, just below lake control structure, 2.4 miles southwest of Fremont, MI.	20.3	08-30-73	6.10
04122045	Fremont Lake Outlet	Brooks Creek	Lat 43°26'18", long 85°58'33", in NW1/4 NW1/4 sec.15, T.12 N., R.14 W., Newaygo County, at 64th St., 2.7 miles southwest of Fremont, MI.	---	05-07-43	19.9
					08-09-44	2.59
					11-21-44	5.60
					10-15-45	10.5
					04-18-46	15.7
					05-21-46	11.4
					08-20-46	2.50
					09-24-46	3.08
					10-15-46	2.47
					02-07-47	15.6
					04-24-47	43.5
					05-13-47	24.7
					10-21-47	5.68
					01-09-48	12.2
					05-28-48	19.8
					08-18-48	3.75
					09-07-48	6.86
					03-15-49	17.9
					06-14-49	3.16
04122057	Mosquito Creek	Muskegon River	Lat 43°17'33", long 86°00'28", in NE1/4 sec.06, T.10 N., R.14 W., Muskegon County, at Swanson Rd., 10.5 miles southwest of Bridgeton, MI.	---	07-13-71	1.55
04122065	Mosquito Creek	Muskegon River	Lat 43°17'02", long 86°02'30", in SE1/4 sec.02, T.10 N., R.15 W., Muskegon County, 10.0 miles east of North Muskegon, MI.	---	07-13-71	5.04
04122070	Mosquito Creek	Muskegon River	Lat 43°17'10", long 86°06'22", in SE1/4 sec.04, T.10 N., R.15 W., Muskegon County, 8.0 miles east of North Muskegon, MI.	---	07-13-71	5.64

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04122080	Ryerson Creek	Muskegon Lake	Lat 43°14'27", long 86°14'02", in NE1/4 SW1/4 sec.20, T.10 N., R.16 W., Muskegon County, at Wood St., at Muskegon, MI.	7.59	08-30-73	4.30
04122085	Ryerson Creek	Muskegon Lake	Lat 43°14'24", long 86°14'40", in NE1/4 SE1/4 sec.19, T.10 N., R.16 W., Muskegon County, at Western Ave., at Muskegon, MI.	---	09-26-67	4.56
04122087	Ruddiman Creek	Muskegon Lake	Lat 43°12'38", long 86°16'36", in NE1/4 SW1/4 sec.36, T.10 N., R.17 W., Muskegon County, at Glenside Blvd., at Muskegon, MI.	3.37	08-30-73	5.88
04122090	Ruddiman Creek	Muskegon Lake	Lat 43°13'06", long 86°17'03", in NE1/4 sec.35, T.10 N., R.17 W., Muskegon County, at Lake Shore Dr., at Muskegon, MI.	---	09-26-67	4.97
04122103	Little Bear Creek	Bear Creek	Lat 43°17'48", long 86°14'34", in SW1/4 SE1/4 sec.32, T.11 N., R.16 W., Muskegon County, 15 feet upstream of unnamed tributary, at Berry Junction, MI.	---	08-08-78 07-24-79	0.80 4.50
R 04122105	Unnamed tributary	Little Bear Creek	Lat 43°17'49", long 86°14'38", in SW1/4 SE1/4 sec.32, T.11 N., R.16 W., Muskegon County, 15 feet below dam, at Berry Junction, MI.	---	08-08-78 07-24-79	0.18 0.70
04122107	Little Bear Creek	Bear Creek	Lat 43°17'45", long 86°14'40", in SW1/4 SE1/4 sec.32, T.11 N., R.16 W., Muskegon County, at River Rd., at Berry Junction, MI.	---	08-08-78 07-24-79	4.62 5.90
04122110	Little Bear Creek	Bear Creek	Lat 43°16'41", long 86°14'40", in NE1/4 NE1/4 sec.07, T.10 N., R.16 W., Muskegon County, at Giles Rd., 2.2 miles northeast of North Muskegon, MI.	7.76	06-16-65 12-16-65 03-17-66 03-22-66 03-24-66 09-25-67	8.30 12.3 11.0 18.6 16.9 6.60
04122120	Bear Creek	Bear Lake	Lat 43°16'28", long 86°14'36", in NE1/4 NE1/4 sec.07, T.10 N., R.16 W., Muskegon County, at Russell St., 1.0 miles northeast of North Muskegon, MI.	24.4	06-16-65 11-01-65 12-16-65 03-09-66 03-17-66 03-21-66 04-14-66 05-10-66 06-07-66 09-07-66 10-04-66 07-06-67 08-02-67 09-06-67 10-03-67 01-09-68 04-11-68 05-08-68 07-10-68	12.5 18.5 27.8 35.4 26.4 30.3 24.0 23.3 15.5 9.94 10.1 14.1 10.8 10.4 11.3 20.2 19.3 16.9 12.6
04122125	Bear Creek	Bear Lake	Lat 43°16'16", long 86°15'22", in SE1/4 NW1/4 sec.07, T.10 N., R.16 W., Muskegon County, at old U.S. Hwy. 31, 1.5 miles northeast of North Muskegon, MI.	---	09-26-67	10.8
04122145	Green Creek	Muskegon Lake	Lat 43°15'51", long 86°18'31", in NW1/4 NE1/4 sec.15, T.10 N., R.17 W., Muskegon County, at Fenner Rd., at North Muskegon, MI.	11.7	08-30-73	0.96
04122160	White River	Lake Michigan	Lat 43°39'40", long 85°42'05", in NE1/4 SE1/4 sec.26, T.15 N., R.12 W., Newaygo County, at Oak Rd., 1.0 mile west of Woodville, MI.	18.5	10-16-53	0.38

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04122162	White River	Lake Michigan	Lat 43°38'25", long 85°45'39", in NW1/4 NW1/4 sec.04, T.14 N., R.12 W., Newaygo County, 1.4 miles below Kinney Lake outlet, 4.3 miles southwest of Woodville, MI.	35.5	10-16-53	8.62
04122164	White River	Lake Michigan	Lat 43°37'10", long 85°45'05", in NE1/4 SW1/4 sec.09, T.14 N., R.12 W., Newaygo County, 1.4 miles above Mullen Creek, 5.0 miles north of White Cloud, MI.	42.2	10-16-53	14.1
04122166	White River	Lake Michigan	Lat 43°35'44", long 85°45'05", in NE1/4 NW1/4 sec.21, T.14 N., R.12 W., Newaygo County, 0.25 mile downstream of Mullen Creek, 3.5 miles north of White Cloud, MI.	51.0	10-16-53	20.0
04122168	White River	Lake Michigan	Lat 43°34'59", long 85°45'23", in NW1/4 NW1/4 sec.28, T.14 N., R.12 W., Newaygo County, 1.2 miles upstream of Five Mile Creek, 2.2 miles north of White Cloud, MI.	55.9	10-16-53	26.5
04122170	Fivemile Creek	White River	Lat 43°35'27", long 85°42'44", in NE1/4 SW1/4 sec.23, T.14 N., R.12 W., Newaygo County, 3.0 miles upstream of White River, 4.0 miles northeast of White Cloud, MI.	10.4	10-16-53	4.06
04122172	Fivemile Creek	White River	Lat 43°34'12", long 85°44'30", in SW1/4 SW1/4 sec.27, T.14 N., R.12 W., Newaygo County, 0.8 mile upstream of White River, 2.0 miles northeast of White Cloud, MI.	10.0	10-16-53	6.53
04122174	Flinton Creek	White River	Lat 43°33'32", long 85°45'06", in NE1/4 SW1/4 sec.33, T.14 N., R.12 W., Newaygo County, 0.2 mile upstream of White River, 1.0 mile northeast of White Cloud, MI.	9.30	10-16-53	4.33
04122176	White River	Lake Michigan	Lat 43°32'18", long 85°47'02", in SE1/4 SE1/4 sec.06, T.13 N., R.12 W., Newaygo County, 2.0 miles downstream of Flinton Creek, 1.0 mile southwest of White Cloud, MI.	91.1	10-16-53	43.7
04122178	White River	Lake Michigan	Lat 43°32'50", long 85°48'40", in SE1/4 NW1/4 sec.01, T.13 N., R.13 W., Newaygo County, 1.5 mile upstream of Rattlesnake Creek, 2.0 miles west of White Cloud, MI.	96.1	10-16-53	45.9
04122180	White River	Lake Michigan	Lat 73°32'58", long 85°51'07", in SE1/4 NW1/4 sec.03, T.13 N., R.13 W., Newaygo County, 0.5 mile downstream of Rattlesnake Creek, 4.0 miles west of White Cloud, MI.	101	10-16-53	52.0
04122181	Second Cole Creek	White River	Lat 43°34'06", long 85°50'26", in SW1/4 SW1/4 sec.26, T.14 N., R.13 W., Newaygo County, 1.0 mile upstream of White River, 3.8 miles northwest of White Cloud, MI.	4.20	10-16-53	0.99
04122182	White River	Lake Michigan	Lat 43°33'22", long 85°52'51", in SW1/4 SW1/4 sec.33, T.14 N., R.13 W., Newaygo County, 1.2 miles downstream of Second Cole Creek, 5.5 miles west of White Cloud, MI.	112	10-16-53	54.6
04122183	White River	Lake Michigan	Lat 43°34'07", long 85°54'34", in SW1/4 SE1/4 sec.30, T.14 N., R.13 W., Newaygo County, 0.5 mile upstream of Black Creek, 6.5 miles east of Hesperia, MI.	128	10-16-53	69.8
04122184	Black Creek	White River	Lat 43°33'41", long 85°55'12", in SW1/4 NW1/4 sec.31, T.14 N., R.13 W., Newaygo County, 1.0 mile upstream of White River, 6.0 miles east of Hesperia, MI.	16.4	10-16-53	0.92
04122185	White River	Lake Michigan	Lat 43°34'55", long 85°55'14", in NE1/4 NE1/4 sec.25, T.14 N., R.14 W., Newaygo County, 0.8 mile downstream of Black Creek, 6.0 miles east of Hesperia, MI.	147	10-16-53	71.4

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04122186	Mena Creek	White River	Lat 43°37'34", long 85°54'33", in NW1/4 NE1/4 sec.07, T.14 N., R.13 W., Newaygo County, 3.0 miles upstream of White River, 8.0 miles northeast of Hesperia, MI.	15.7	10-16-53	4.17
04122187	Mena Creek	White River	Lat 43°36'04", long 85°55'13", in NE1/4 SE1/4 sec.13, T.14 N., R.14 W., Newaygo County, 1.0 mile upstream of White River, 6.5 miles east of Hesperia, MI.	18.1	10-16-53	9.03
04122188	White River	Lake Michigan	Lat 43°35'31", long 85°56'23", in SW1/4 NW1/4 sec.24, T.14 N., R.14 W., Newaygo County, 0.5 mile downstream of Mena Creek, 5.5 miles east of Hesperia MI.	169	10-16-53	85.8
04122189	Martin Creek	White River	Lat 43°37'14", long 85°55'45", in SW1/4 NE1/4 sec.12, T.14 N., R.14 W., Newaygo County, 75 feet upstream of East Branch Held Creek, 7.0 miles northeast of Hesperia, MI.	10.4	10-16-53	7.41
04122190	East Branch Held Creek	Martin Creek	Lat 43°37'14", long 85°55'42", in SW1/4 NE1/4 sec.12, T.14 N., R.14 W., Newaygo County, 70 feet upstream of Martin Creek, 7.0 miles northeast of Hesperia, MI.	4.70	10-16-53	7.38
04122191	Martin Creek	White River	Lat 43°36'04", long 85°56'25", in NE1/4 SE1/4 sec.14, T.14 N., R.14 W., Newaygo County, 2.5 miles upstream of White River, 5.5 miles northeast of Hesperia, MI.	16.1	10-16-53	15.7
04122192	Martin Creek	White River	Lat 43°35'25", long 85°58'20", in NE1/4 SW1/4 sec.22, T.14 N., R.14 W., Newaygo County, 0.5 mile upstream of White River, 3.5 miles northeast of Hesperia, MI.	20.1	10-16-53	15.5
04122193	White River	Lake Michigan	Lat 43°34'59", long 85°58'48", in SE1/4 SE1/4 sec.21, T.14 N., R.14 W., Newaygo County, 600 feet downstream of Martin Creek, 3.0 miles east of Hesperia, MI.	194	10-16-53	107
04122194	Wright's Creek	White River	Lat 43°34'07", long 86°00'36", in SE1/4 SW1/4 sec.29, T.14 N., R.14 W., Newaygo County, 1.0 mile upstream of White River, 1.5 miles east of Hesperia, MI.	4.10	10-16-53	1.64
04122195	White River	Lake Michigan	Lat 43°34'14", long 86°02'39", in SE1/4 SE1/4 sec.25, T.14 N., R.15 W., Oceana County, 0.3 mile downstream of Hesperia Pond, at Hesperia, MI.	---	04-11-50 08-09-50	619 157
04122205	White River	Lake Michigan	Lat 43°27'12", long 86°16'03", in NE1/4 NW1/4 sec.07, T.12 N., R.16 W., Muskegon County, 0.6 mile downstream of Sand Creek, 5.0 miles northeast of Whitehall, MI.	---	10-08-52	137
04122207	Silver Creek	White River	Lat 43°24'52", long 86°16'10", in SW1/4 SW1/4 sec.19, T.12 N., R.16 W., Muskegon County, at Hyde Park Rd., 3.5 miles northeast of Whitehall, MI.	---	08-17-83	13.5
04122210	Silver Lake Outlet	Lake Michigan	Lat 43°39'34", long 86°31'05", in NE1/4 NE1/4 sec.36, T.15 N., R.19 W., Oceana County, 0.1 mile downstream of Silver Lake, 5.3 miles southwest of Mears, MI.	---	08-10-44 11-22-44 10-16-45 08-20-46 05-13-47 08-19-47 11-18-47 01-09-48 05-28-48 08-18-48 11-16-48 03-15-49 06-14-49 09-13-49 01-24-50 04-11-50 08-09-50	6.10 10.9 11.8 9.25 19.0 8.71 7.73 13.7 17.0 8.06 8.04 23.6 7.28 7.54 14.2 43.4 8.71

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04122223	Pentwater River	Pentwater Lake	Lat 43°43'27", long 86°22'36", in NW1/4 SW1/4 sec.05, T.15 N., R.17 W., Oceana County, at 72nd Ave., 0.8 mile below Hart Lake Hydro, 1.8 miles northwest of Hart, MI.	---	12-12-73	90.6
					01-03-74	88.9
					03-12-74	160
					04-09-74	88.5
					06-07-74	109
					07-16-74	18.1
					09-11-74	91.6
					12-11-74	80.5
					02-12-75	154
					05-21-75	87.7
					07-03-75	94.4
					03-10-76	174
					07-21-76	86.7
					09-16-76	16.0
					10-20-76	13.4
					07-06-77	96.0
04122230	North Branch Pentwater River	Pentwater River	Lat 43°47'42", long 86°21'30", in NE1/4 SE1/4 sec.08, T.16 N., R.17 W., Oceana County, at U.S. Hwy. 31, 3.5 miles northeast of Pentwater, MI.	---	12-13-73	50.8
					03-13-74	71.5
					04-10-74	73.6
					04-18-74	93.5
					05-17-74	151
					06-07-74	88.4
					07-17-74	48.8
					08-13-74	47.6
					11-06-74	53.5
					05-21-75	52.0
					07-03-75	41.7
					07-22-76	39.8
					09-16-76	40.3
					10-19-76	43.6
					03-15-77	207
					07-05-77	43.8
					08-11-77	40.8
04122233	North Branch Pentwater River	Pentwater River	Lat 43°45'46", long 86°23'37", in SW1/4 SW1/4 sec.19, T.16 N., R.17 W., Oceana County, at U.S. Hwy. 31(Business Route), 2.3 miles southeast of Pentwater, MI.	---	07-30-73	36.7
04122235	Pentwater River	Lake Michigan	Lat 43°45'48", long 86°24'28", in NE1/4 SE1/4 sec.26, T.15 N., R.12 W., Newaygo County, at Oak Rd., 1.0 mile west of Woodville, MI.	18.5	06-11-63	203
					06-17-63	191
04122250	Middle Branch Pere Marquette River	Pere Marquette River	Lat 43°05'30", long 85°42'04", in NW1/4 NW1/4 sec.24, T.17 N., R.12 W., Lake County, at highway bridge, 3.9 miles southwest of Chase, MI.	---	06-24-71	13.1
04122255	Middle Branch Pere Marquette River	Pere Marquette River	Lat 43°52'25", long 85°43'27", in SE1/4 SE1/4 sec.10, T.17 N., R.12 W., Lake County, at Rosa Bridge on Rosa Rd., 4.5 miles southwest of Chase, MI.	30.0	09-19-66	15.6
					06-24-71	17.9
04122260	Middle Branch Pere Marquette River	Pere Marquette River	Lat 43°52'07", long 85°46'29", in SE1/4 NW1/4 sec.17, T.17 N., R.12 W., Lake County, at Switzer Bridge on Broadway Rd., 2.0 miles south of Idlewild, MI.	40.0	07-11-63	30.6
					06-24-71	37.8
04122265	Middle Branch Pere Marquette River	Pere Marquette River	Lat 43°51'22", long 85°50'25", in NW1/4 NW1/4 sec.23, T.17 N., R.13 W., Lake County, at Marlborough Bridge, 2.9 miles southwest of Idlewild, MI.	---	06-24-71	70.7
04122275	Little South Branch Pere Marquette River	Pere Marquette River	Lat 43°47'07", long 85°45'03", in NW1/4 NE1/4 sec.16, T.16 N., R.12 W., Newaygo County, at 16 Mile Rd., 7.5 miles south of Idlewild, MI.	---	06-24-71	22.7
04122280	Little South Branch Pere Marquette River	Pere Marquette River	Lat 43°48'05", long 85°46'15", in SE1/4 SW1/4 sec.05, T.16 N., R.12 W., Newaygo County, at 17 Mile Rd., 6.0 miles south of Idlewild, MI.	---	05-20-70	60.9
04122282	Little South Branch Pere Marquette River	Pere Marquette River	Lat 43°49'02", long 85°48'01", in SE1/4 SE1/4 sec.36, T.17 N., R.13 W., Lake County, at Forman Rd., 4.8 miles south of Idlewild, MI.	90.0	07-17-70	49.5
					06-24-71	53.9

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04122285	Little South Branch Pere Marquette River	Pere Marquette River	Lat 43°50'08", long 85°50'27", in NE1/4 SE1/4 sec.27, T.17 N., R.13 W., Lake County, at Taylor Bridge, 4.0 miles southwest of Idlewild, MI.	---	06-24-71	64.0
04122289	Little South Branch Pere Marquette River	Pere Marquette River	Lat 43°51'02", long 85°50'35", in SE1/4 NE1/4 sec.22, T.17 N., R.13 W., Lake County, 0.4 mile upstream of mouth, 3.0 miles south of Baldwin, MI.	100	07-17-70	62.1
04122290	Little South Branch Pere Marquette River	Pere Marquette River	Lat 43°51'20", long 85°50'28", in NE1/4 NE1/4 sec.22, T.17 N., R.13 W., Lake County, at public fishing site, 2.9 miles southwest of Idlewild, MI.	100	06-24-71	69.0
04122300	Pere Marquette River	Pere Marquette Lake	Lat 43°51'27", long 85°51'01", in SW1/4 SE1/4 sec.15, T.17 N., R.13 W., Lake County, 300 feet upstream of State Hwy. M-37, 2.7 miles south of Baldwin, MI.	167	09-19-66	102
					06-24-71	135
					03-06-73	292
					03-20-73	231
					04-25-73	176
					05-25-73	148
					07-11-73	118
					08-14-73	113
					10-02-73	112
					01-04-74	114
					03-13-74	236
					04-10-74	222
					07-17-74	157
					08-14-74	144
					09-11-74	143
					07-02-75	124
					06-15-76	163
					07-21-76	156
					08-10-76	128
					09-15-76	124
					06-28-77	110
					08-04-77	98.8
04122310	Baldwin River	Pere Marquette River	Lat 43°55'35", long 85°48'03", in SW1/4 NW1/4 sec.30, T.18 N., R.12 W., Lake County, at Forman Rd., 2.7 miles north of Idlewild, MI.	---	09-19-79	34.3
04122320	Baldwin River	Pere Marquette River	Lat 43°53'47", long 85°50'39", in SE1/4 NE1/4 sec.03, T.17 N., R.13 W., Lake County, at 8th St., at Baldwin, MI.	---	06-13-72	47.8
04122330	Pere Marquette River	Pere Marquette Lake	Lat 43°51'43", long 85°52'51", in NW1/4 SW1/4 sec.16, T.17 N., R.13 W., Lake County, at end of North Peacock Trail, 2.8 miles southwest of Baldwin, MI.	---	06-24-71	195
04122375	Pere Marquette River	Lake Michigan	Lat 43°55'10", long 85°58'32", in SW1/4 SW1/4 sec.27, T.18 N., R.14 W., Lake County, 1.7 miles upstream of Sweetwater Creek, 3.5 miles southeast of Branch, MI.	320	09-19-66	210
04122400	Pere Marquette River	Lake Michigan	Lat 43°56'02", long 86°06'53", in SW1/4 SW1/4 sec.21, T.18 N., R.15 W., Mason County, at Walhalla Rd., 1.4 miles south of Walhalla, MI.	380	09-19-66	257
04122415	Brookings Lake Outlet	Tank Creek	Lat 43°42'08", long 85°52'10", in NE1/4 SW1/4 sec.09, T.15 N., R.13 W., Newaygo County, at Lakeshore Dr., 2.5 miles southwest of Bitely, MI.	---	03-11-81	3.25
04122950	Big Sable River	Hamlin Lake	Lat 44°06'59", long 86°12'04", in SE1/4 NE1/4 sec.22, T.20 N., R.16 W., Mason County, at highway bridge, 1.0 mile northeast of Freesoil, MI.	---	06-23-71	107

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04123000	Big Sable River	Hamlin Lake	Lat 44°07'13", long 86°16'48", in NE1/4 NE1/4 sec.24, T.20 N., R.17 W., Mason County, at U.S. Hwy. 31, 3.4 miles northwest of Freesoil, MI.	127	10-02-73 11-14-73 01-04-74 03-13-74 04-10-74 04-17-74 07-17-74 08-14-74 09-11-74 11-06-74 04-16-75 07-03-75	143 119 93.0 191 196 344 123 116 116 123 182 123
04123460	Manistee River	Manistee Lake	Lat 44°54'06", long 84°50'43", in SW1/4 SW1/4 sec.18, T.29 N., R.04 W., Otsego County, at Mancelona Rd., 7.9 miles southeast of Alba, MI.	44.0	08-25-54 08-14-68	18.7 17.6
04123463	Manistee River	Manistee Lake	Lat 44°53'02", long 84°50'44", in NW1/4 NW1/4 sec.30, T.29 N., R.04 W., Otsego County, 1.1 miles below Deer Lake Outlet, 3.1 miles north of Deward, MI.	---	08-25-54	31.0
04123465	Manistee River	Manistee Lake	Lat 44°51'46", long 84°49'59", in NW1/4 SE1/4 sec.31, T.29 N., R.04 W., Otsego County, 200 feet above unnamed tributary, 1.6 miles north of Deward, MI.	---	08-25-54	37.3
04123468	Frenchman Creek	Manistee River	Lat 44°51'50", long 84°49'48", in NE1/4 SE1/4 sec.31, T.29 N., R.04 W., Otsego County, just above Manistee River, 1.6 miles north of Deward, MI.	5.90	08-25-54	11.5
04123470	Manistee River	Manistee Lake	Lat 44°50'42", long 84°49'59", in SW1/4 SE1/4 sec.06, T.28 N., R.04 W., Crawford County, 0.2 mile upstream of Lost Lake Outlet, 0.4 mile northwest of Deward, MI.	---	08-25-54	65.8
04123475	Manistee River	Manistee Lake	Lat 44°49'48", long 84°50'32", in SE1/4 SW1/4 sec.07, T.28 N., R.04 W., Crawford County, 1.1 miles southwest of Deward, MI.	---	08-25-54	68.3
04123480	Manistee River	Manistee Lake	Lat 44°47'59", long 84°50'24", in SE1/4 SW1/4 sec.19, T.28 N., R.04 W., Crawford County, at Cameron Bridge, 4.4 miles northwest of Frederic, MI.	64.0	08-25-54 06-11-71	97.3 113
04123482	Unnamed tributary	Manistee River	Lat 44°47'14", long 84°50'26", in SE1/4 SW1/4 sec.30, T.28 N., R.04 W., Crawford County, 3.8 miles south of Deward, MI.	4.10	08-25-54	0.06
04123485	Manistee River	Manistee Lake	Lat 44°46'16", long 84°50'29", in SE1/4 SW1/4 sec.31, T.28 N., R.04 W., Crawford County, at Red Bridge, on County Road 612, 4.3 miles west of Frederic, MI.	71.4	08-25-54 08-14-68 06-11-71	105 116 131
04123487	Manistee River	Lake Michigan	Lat 44°44'33", long 84°50'02", in NW1/4 NE1/4 sec.18, T.27 N., R.04 W., Crawford County, 2.0 miles upstream of Goose Creek, 4.6 miles southwest of Frederic, MI.	---	08-25-54	141
04123489	Goose Creek	Manistee River	Lat 44°46'25", long 84°52'06", in SE1/4 SE1/4 sec.35, T.28 N., R.05 W., Kalkaska County, 5.0 miles upstream of Manistee River, 5.6 miles west of Frederic, MI.	17.1	08-25-54	0.34
04123491	Goose Creek	Manistee River	Lat 44°45'04", long 84°50'56", in SE1/4 NE1/4 sec.12, T.27 N., R.05 W., Kalkaska County, 3.0 miles upstream of Manistee River, 5.1 miles southwest of Frederic, MI.	19.7	08-25-54	7.41

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04123493	Goose Creek	Manistee River	Lat 44°44'01", long 84°50'16", in NW1/4 SE1/4 sec.18, T.27 N., R.04 W., Crawford County, 1.4 miles upstream of Manistee River, 5.0 miles southwest of Frederic, MI.	25.9	08-25-54	15.9
04123496	Manistee River	Manistee Lake	Lat 44°42'49", long 84°49'11", in NW1/4 NE1/4 sec.29, T.27 N., R.04 W., Crawford County, downstream of Goose Creek, 5.5 miles southwest of Frederic, MI.	---	08-25-54	167
04123500	Manistee River	Manistee Lake	Lat 44°41'35", long 84°50'50", in SW1/4 NW1/4 sec.31, T.27 N., R.04 W., Crawford County, on State Hwy. M-72, 6.8 miles northwest of Grayling, MI.	159	08-25-54	173
					10-01-73	177
					11-26-73	187
					01-15-74	194
					04-15-74	309
					06-07-74	194
					07-23-74	182
					08-20-74	172
					04-07-75	173
					07-11-75	203
04123505	Manistee River	Manistee Lake	Lat 44°40'14", long 84°52'21", in SE1/4 SE1/4 sec.02, T.26 N., R.05 W., Kalkaska County, 2.5 miles downstream of State Hwy. M-72, 8.2 miles west of Grayling, MI.	---	08-25-54	188
04123510	Manistee River	Manistee Lake	Lat 44°38'02", long 84°54'47", in SE1/4 NE1/4 sec.21, T.26 N., R.05 W., Kalkaska County, upstream of Portage Creek, 10.2 miles west of Grayling, MI.	---	08-25-54	199
04123540	Portage Creek	Manistee River	Lat 44°39'36", long 84°49'07", in NE1/4 SW1/4 sec.08, T.26 N., R.04 W., Crawford County, 1500 feet downstream of Lake Margrethe, 5.4 miles west of Grayling, MI.	15.6	05-06-41	10.8
					05-14-41	21.7
					05-15-41	29.9
					05-24-41	45.6
					06-01-41	54.7
					06-06-41	11.8
					07-30-41	18.9
					08-28-41	13.3
					10-02-42	32.0
					11-11-42	25.1
					12-24-42	22.0
					01-25-43	25.6
					03-30-43	30.2
					06-02-43	77.2
					07-07-43	34.0
					09-30-43	11.7
					10-29-43	14.6
					11-22-43	39.8
					12-17-43	28.3
					03-17-44	25.8
					11-01-44	17.2
					04-11-45	20.8
					09-28-48	8.11
					01-03-49	12.6
					05-06-49	21.0
					08-19-49	12.4
					10-18-49	10.1
					12-13-49	21.7
					04-13-50	33.8
					07-20-50	19.5
					10-19-50	15.4
					01-15-51	22.9
					04-05-51	30.2
					07-25-51	4.94
					10-17-52	7.76
					01-27-53	28.0
					04-10-53	30.8
					07-23-53	14.9
					01-12-54	26.6
					04-27-54	36.0
					07-09-54	35.7
					10-11-54	20.3
					10-13-54	12.0
					01-11-55	25.9
					04-21-55	28.4
					07-05-55	7.96

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04123540	Portage Creek	Manistee River	Continued		10-04-55	3.34
					01-03-56	21.7
					04-02-56	40.7
					07-03-56	22.0
					10-04-56	18.3
					01-02-57	24.5
					04-02-57	23.1
					07-11-57	23.4
					10-03-57	10.2
					01-02-58	26.8
					04-01-58	21.1
					07-01-58	2.72
					10-02-58	10.2
					01-02-59	23.1
04123550	Portage Creek	Manistee River	Lat 44°37'59", long 84°54'28", in NW1/4 SW1/4 sec.22, T.26 N., R.05 W., Kalkaska County, 0.4 mile upstream of Manistee River, 10.0 miles west of Grayling MI.	35.4	08-25-54	18.2
					08-14-68	26.3
04123555	Manistee River	Manistee Lake	Lat 44°37'10", long 84°56'40", in NE1/4 SW1/4 sec.29, T.26 N., R.05 W., Kalkaska County, 0.4 mile upstream of Black Creek, 7.0 miles northeast of Sharon, MI.	---	08-25-54	242
04123560	Black Creek	Manistee River	Lat 44°42'29", long 84°55'39", in SW1/4 NW1/4 sec.28, T.27 N., R.05 W., Kalkaska County, at State Hwy. M-72, 11.4 miles northwest of Grayling, MI.	---	10-28-54	3.86
04123563	Black Creek	Manistee River	Lat 44°38'24", long 84°56'52", in NW1/4 NW1/4 sec.20, T.26 N., R.05 W., Kalkaska County, at county road, 11.9 miles west of Grayling, MI.	---	10-28-54	6.53
04123566	Black Creek	Manistee River	Lat 44°37'06", long 84°57'01", in NW1/4 SW1/4 sec.29, T.26 N., R.05 W., Kalkaska County, 75 feet upstream of Manistee River, 6.6 miles northeast of Sharon, MI.	27.3	08-25-54	1.86
					10-28-54	2.93
04123568	Manistee River	Lake Michigan	Lat 44°36'53", long 84°59'29", in SW1/4 SW1/4 sec.25, T.26 N., R.06 W., Kalkaska County, at CCC Bridge, 4.6 miles northeast of Sharon, MI.	215	08-14-68	256
04123572	Manistee River	Lake Michigan	Lat 44°36'28", long 85°00'51", in SE1/4 NE1/4 sec.34, T.26 N., R.06 W., Kalkaska County, 3.9 miles upstream of Big Devil Creek, 3.4 miles northeast of Sharon, MI.	---	08-25-54	265
04123575	Big Devil Creek	Manistee River	Lat 44°35'11", long 85°02'56", in SW1/4 SW1/4 sec.04, T.25 N., R.06 W., Kalkaska County, 0.2 mile upstream of Manistee River, 1.5 miles east of Sharon, MI.	8.20	08-25-54	5.93
04123580	Little Devil Creek	Manistee River	Lat 44°35'09", long 85°03'49", in SE1/4 SW1/4 sec.05, T.25 N., R.06 W., Kalkaska County, 0.1 mile upstream of Manistee River, 1.0 mile east of Sharon, MI.	0.40	08-25-54	0.00
04123585	Big Cannon Creek	Manistee River	Lat 44°29'31", long 84°58'15", in NW1/4 NW1/4 sec.07, T.24 N., R.05 W., Missaukee County, 1.8 mile downstream of Grass Lake, 2.3 miles northeast of Moorestown, MI.	---	08-25-54	1.54
04123590	Big Cannon Creek	Manistee River	Lat 44°30'40", long 85°00'21", in SE1/4 SW1/4 sec.35, T.25 N., R.06 W., Kalkaska County, 5.0 miles downstream of Grass Lake, 3.2 miles north of Moorestown, MI.	30.4	08-25-54	11.1
04123595	Big Cannon Creek	Manistee River	Lat 44°32'22", long 85°02'09", in SE1/4 SE1/4 sec.21, T.25 N., R.06 W., Kalkaska County, 4.0 miles upstream of Manistee River, 3.5 miles southeast of Sharon, MI.	41.2	08-25-54	22.3

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04123600	Big Cannon Creek	Manistee River	Lat 44°33'38", long 85°03'02", in NW1/4 SW1/4 sec.16, T.25 N., R.06 W., Kalkaska County, 2.5 miles upstream of Manistee River, 2.0 miles southeast of Sharon, MI.	43.4	08-25-54	25.3
04123605	Big Cannon Creek	Manistee River	Lat 44°35'00", long 85°04'23", in SW1/4 SW1/4 sec.05, T.25 N., R.06 W., Kalkaska County, 0.2 mile upstream of Manistee River, at Sharon, MI.	45.9	08-25-54	28.0
04123610	North Branch Manistee River	Manistee River	Lat 44°46'08", long 85°01'15", in NW1/4 NE1/4 sec.03, T.27 N., R.06 W., Kalkaska County, at County Road 612, 8.0 miles northeast of Kalkaska, MI.	---	02-24-45	3.69
					10-03-45	5.21
					01-04-46	5.61
					03-26-46	10.4
					07-11-46	3.56
					09-18-46	1.40
					12-31-46	3.74
					04-14-47	6.40
					07-08-47	3.03
					09-30-47	2.48
					12-23-47	2.81
					03-17-48	4.03
					08-04-48	4.69
					10-06-48	0.34
					12-23-48	2.47
					04-07-49	6.35
					07-27-49	2.42
					10-18-49	0.55
					12-21-49	3.00
					04-04-50	6.72
					07-19-50	1.96
R 04123615	North Branch Manistee River	Manistee River	Lat 44°44'33", long 85°00'42", in NW1/4 NW1/4 sec.14, T.27 N., R.06 W., Kalkaska County, 2.0 miles downstream of Manistee Lake, 9.0 miles northeast of Spencer, MI.	13.0	08-25-54	0.00
					10-28-54	4.99
R 04123620	Unnamed tributary	North Branch Manistee River	Lat 44°46'16", long 84°58'31", in NW1/4 NE1/4 sec.01, T.27 N., R.06 W., Kalkaska County, at County Road 612, 8.5 miles southwest of Deward, MI.	26.4	08-25-54	1.06
R 04123625	Unnamed tributary	North Branch Manistee River	Lat 44°44'21", long 84°58'53", in NE1/4 NW1/4 sec.13, T.27 N., R.06 W., Kalkaska County, 1.2 miles upstream of N. Br. Manistee River, 9.0 miles northeast of Spencer, MI.	33.3	08-25-54	4.39
					10-28-54	10.3
04123627	North Branch Manistee River	Manistee River	Lat 44°42'46", long 84°59'10", in NE1/4 NW1/4 sec.25, T.27 N., R.06 W., Kalkaska County, at State Hwy. M-72, 8.0 miles northeast of Spencer, MI.	55.1	08-25-54	11.1
04123628	Morrison Creek	North Branch Manistee River	Lat 44°40'38", long 85°00'56", in SE1/4 NE1/4 sec.03, T.26 N., R.06 W., Kalkaska County, 35 feet upstream of N. Br. Manistee River, 6.0 miles east of Spencer, MI.	9.70	08-25-54	0.02
04123630	North Branch Manistee River	Manistee River	Lat 44°40'18", long 85°00'24", in SE1/4 SW1/4 sec.02, T.26 N., R.06 W., Kalkaska County, 200 feet downstream of Morrison Creek, 6.0 miles east of Spencer, MI.	67.9	08-25-54	25.7
04123635	North Branch Manistee River	Manistee River	Lat 44°38'27", long 85°01'37", in SE1/4 SW1/4 sec.15, T.26 N., R.06 W., Kalkaska County, at Mecum Rd., 4.6 miles northeast of Sharon, MI.	83.7	08-25-54	24.1
04123640	North Branch Manistee River	Manistee River	Lat 44°35'22", long 85°04'35", in NE1/4 SE1/4 sec.06, T.25 N., R.06 W., Kalkaska County, at North Sharon Rd., 0.4 mile north of Sharon, MI.	95.0	08-25-54	29.7
					08-14-68	26.4
04123645	Pierson Creek	Manistee River	Lat 44°35'26", long 85°05'25", in SW1/4 NW1/4 sec.06, T.25 N., R.06 W., Kalkaska County, 0.2 mile upstream of Manistee River, 0.9 mile northwest of Sharon, MI.	18.4	08-25-54	4.91

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04123650	Manistee River	Manistee Lake	Lat 44°35'07", long 85°05'25", in SW1/4 SW1/4 sec.06, T.25 N., R.06 W., Kalkaska County, at West Sharon Rd., at Sharon, MI.	435	08-25-54	348
					08-14-68	336
04123675	Hopkins Creek	Manistee River	Lat 44°24'26", long 85°13'02", in SE1/4 NE1/4 sec.12, T.23 N., R.08 W., Missaukee County, at State Hwy. M-66, 5.1 miles north of Lake City, MI.	---	09-26-79	4.22
04123700	Fife Lake Outlet	Manistee River	Lat 44°33'40", long 85°20'45", in SE1/4 SW1/4 sec.13, T.25 N., R.09 W., Grand Traverse County, at lake outlet, at Fife Lake, MI.	11.1	11-02-44	4.50
					10-03-45	4.19
					01-04-46	6.45
					03-26-46	10.7
					06-28-46	4.47
					09-18-46	2.09
					12-11-46	3.46
					05-29-47	14.4
					07-08-47	4.17
					10-07-47	2.60
					12-23-47	4.50
					03-17-48	4.88
					07-09-48	4.10
					10-06-48	3.62
					12-23-48	3.62
					04-07-49	8.52
					07-27-49	10.2
					10-17-49	2.25
					12-21-49	5.06
					04-04-50	11.1
					10-18-50	2.86
					01-31-51	6.00
					04-12-51	12.8
					07-26-51	5.09
					10-28-52	2.22
					01-07-53	6.90
					04-09-53	11.1
					07-27-53	3.01
					10-22-53	2.99
					01-19-54	5.09
					04-27-54	18.5
					07-14-54	10.8
					10-05-54	6.45
					01-20-55	8.10
					04-05-55	11.3
					07-25-55	1.80
					10-24-55	3.01
					01-13-56	4.91
					04-12-56	9.76
					07-30-56	7.34
					10-02-56	3.58
					01-17-57	4.99
					04-30-57	12.1
					07-25-57	11.0
					10-14-57	2.46
					01-29-58	5.61
					04-04-58	4.29
					07-29-58	1.05
					10-23-58	2.82
04123706	Fife Lake Outlet	Manistee River	Lat 44°31'36", long 85°21'27", in SE1/4 SE1/4 sec.26, T.25 N., R.09 W., Grand Traverse County, at Ramsay Rd., 3.5 miles south of Fife Lake, MI.	---	06-19-84	19.4
04123800	Manton Creek	Manistee River	Lat 44°23'50", long 85°23'53", in SE1/4 SE1/4 sec.09, T.23 N., R.09 W., Wexford County, at U.S. Hwy. 131, 1.0 mile south of Manton, MI.	---	11-12-47	8.06
04123810	Manton Creek	Manistee River	Lat 44°24'39", long 85°23'25", in NE1/4 NW1/4 sec.10, T.23 N., R.09 W., Wexford County, at County Road 16, 0.4 mile east of Manton, MI.	---	11-12-47	12.8
04123910	Anderson Creek	Manistee River	Lat 44°30'44", long 85°37'19", in NW1/4 NE1/4 sec.03, T.24 N., R.11 W., Wexford County, at County Line Rd., 2.8 miles northeast of Buckley, MI.	---	06-19-84	11.5
					08-01-84	6.81
					09-06-84	6.38

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04124200	Manistee River	Manistee Lake	Lat 44°21'30", long 85°49'15", in SE1/4 NE1/4 sec.25, T.23 N., R.13 W., Manistee County, at Hodenpyle Dam, 3.0 miles east of Marilla, MI.	999	07-24-69 11-06-69	95.4 161
04124210	Slagle Creek	Manistee River	Lat 44°18'28", long 85°42'45", in NE1/4 NW1/4 sec.13, T.22 N., R.12 W., Wexford County, at east boundary of Harrietta State Fish Hatchery, 0.7 miles west of Harrietta, MI.	22.0	03-10-53 04-09-53 10-22-53 01-07-54 04-27-54 07-14-54 02-24-66 06-13-72 03-07-79 04-10-79 04-26-79	15.8 6.54 3.17 4.99 17.0 5.07 6.78 6.79 13.9 15.0 52.0
04124215	Slagle Creek	Manistee River	Lat 44°18'28", long 85°42'46", in NE1/4 NW1/4 sec.13, T.22 N., R.12 W., Wexford County, 300 feet upstream of dam at Harrietta State Fish Hatchery, 0.7 miles west of Harrietta, MI.	22.0	03-20-53 04-09-53 10-22-53 01-07-54 04-27-54 07-14-54 10-20-65	4.03 3.91 5.21 3.52 3.39 4.29 10.2
04124220	Slagle Creek	Manistee River	Lat 44°18'28", long 85°42'47", in NE1/4 NW1/4 sec.13, T.22 N., R.12 W., Wexford County, 120 feet upstream of dam at Harrietta State Fish Hatchery, 0.7 miles west of Harrietta, MI.	22.0	03-20-53 04-09-53 10-22-53 01-07-54 04-27-54 07-14-54 10-05-54 01-09-57 02-24-66	22.4 15.3 10.9 13.0 27.7 12.9 17.0 3.28 7.28
04124240	Slagle Creek	Manistee River	Lat 44°19'10", long 85°45'40", in SW1/4 NW1/4 sec.10, T.22 N., R.12 W., Wexford County, at State Hwy. M-37, 3.2 miles west of Harrietta, MI.	---	03-07-79 04-10-79 04-26-79	21.8 24.0 75.0
04124400	Spalding Creek	North Branch Pine River	Lat 44°11'27", long 85°29'50", in NE1/4 NE1/4 sec.27, T.21 N., R.10 W., Wexford County, at County Road 33, 2.5 miles west of Hobart, MI.	4.60	08-27-52	1.31
04124405	Spalding Creek	North Branch Pine River	Lat 44°11'13", long 85°29'33", in SW1/4 NW1/4 sec.26, T.21 N., R.10 W., Wexford County, at County Road 48 1/2, 2.2 miles west of Hobart, MI.	8.20	08-27-52	2.48
04124410	North Branch Pine River	Pine River	Lat 44°10'07", long 85°29'47", in SW1/4 SW1/4 sec.35, T.21 N., R.10 W., Wexford County, at County Road 33, 2.5 miles southwest of Hobart, MI.	22.7	08-27-52	9.52
04124415	North Branch Pine River	Pine River	Lat 44°09'15", long 85°30'30", in NE1/4 SE1/4 sec.04, T.20 N., R.10 W., Osceola County, at county road, 3.5 miles southwest of Hobart, MI.	26.0	08-27-52	11.0
04124420	Negro Creek	North Branch Pine River	Lat 44°12'15", long 85°33'58", in SW1/4 NE1/4 sec.19, T.21 N., R.10 W., Wexford County, 5.0 miles upstream of N. Br. Pine River, 6.0 miles northwest of Hobart, MI.	5.00	08-27-52	0.98
04124425	Negro Creek	North Branch Pine River	Lat 44°11'41", long 85°33'30", in SE1/4 SE1/4 sec.19, T.21 N., R.10 W., Wexford County, 3.8 miles upstream of N. Br. Pine River, 5.5 miles northwest of Hobart, MI.	7.60	08-27-52	3.22
04124430	Negro Creek	North Branch Pine River	Lat 44°10'28", long 85°32'02", in SW1/4 NW1/4 sec.33, T.21 N., R.10 W., Wexford County, 2.0 miles upstream of N. Br. Pine River, 4.0 miles west of Hobart, MI.	11.8	08-27-52	7.92
04124435	North Branch Pine River	Pine River	Lat 44°08'51", long 85°30'30", in SE1/4 SE1/4 sec.04, T.20 N., R.10 W., Osceola County, 0.2 mile below Negro Creek, 3.2 miles northwest of Tustin, MI.	42.8	08-27-52	20.2

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	 Discharge (ft^3/s)
04124440	North Branch Pine River	Pine River	Lat 44°07'57", long 85°31'30", in SE1/4 SE1/4 sec.08, T.20 N., R.10 W., Osceola County, 1.5 miles below Negro Creek, 3.2 miles northwest of Tustin, MI.	44.8	08-27-52	20.2
04124450	North Branch Pine River	Pine River	Lat 44°06'11", long 85°31'43", in SE1/4 SE1/4 sec.20, T.20 N., R.10 W., Osceola County, at county road, 3.2 miles west of Tustin, MI.	49.5	08-27-52	24.9
04124460	East Branch Pine River	Pine River	Lat 44°07'52", long 85°29'01", in NW1/4 NW1/4 sec.14, T.20 N., R.10 W., Osceola County at county road, 2.2 miles northwest of Tustin, MI.	15.0	08-27-52	1.07
04124470	Rose Lake Outlet	East Branch Pine River	Lat 44°07'16", long 85°29'02", in NW1/4 SW1/4 sec.14, T.20 N., R.10 W., Osceola County, at county road, 1.5 miles northwest of Tustin, MI.	42.7	08-27-52	3.08
04124495	East Branch Pine River	Pine River	Lat 44°07'03", long 85°30'08", in NW1/4 NW1/4 sec.22, T.20 N., R.10 W., Osceola County, at county road, 2.0 miles northwest of Tustin, MI.	60.0	08-27-52	4.99
04124510	Pine River	Manistee River	Lat 44°05'18", long 85°32'01", in SE1/4 SW1/4 sec.29, T.20 N., R.10 W., Osceola County, 0.5 mile upstream of Sprague Creek, 4.0 miles west of Tustin, MI.	114	08-27-52	42.4
04124520	Sprague Creek	Pine River	Lat 44°05'05", long 85°31'44", in SW1/4 NE1/4 sec.32, T.20 N., R.10 W., Osceola County, 0.2 mile upstream of Pine River, 4.0 miles southwest of Tustin, MI.	2.60	08-27-52	1.54
04125000	Pine River	Manistee River	Lat 44°03'46", long 85°32'56", in SW1/4 SE1/4 sec.06, T.19 N., R.10 W., Osceola County, 15 feet downstream of highway bridge, 5.0 miles northwest of LeRoy, MI.	118	07-05-73	57.2
04125005	Pine River	Manistee River	Lat 44°03'30", long 85°33'53", in NE1/4 NE1/4 sec.12, T.19 N., R.10 W., Lake County, 200 feet upstream of Beaver Creek, 3.2 miles south of Bristol, MI.	120	08-27-52	53.3
04125010	Beaver Creek	Pine River	Lat 44°02'34", long 85°31'25", in NW1/4 NW1/4 sec.16, T.19 N., R.10 W., Osceola County, at county road, 2.5 miles west of Leroy, MI.	13.1	08-27-52 09-27-52	3.87 3.24
04125020	Little Beaver Creek	Beaver Creek	Lat 44°02'20", long 85°33'08", in NW1/4 SE1/4 sec.18, T.19 N., R.10 W., Osceola County, 0.5 mile upstream of Beaver Creek, 4.5 miles west of LeRoy, MI.	1.90	08-27-52 09-27-52	2.92 2.53
04125030	Beaver Creek	Pine River	Lat 44°02'45", long 85°33'14", in SE1/4 SW1/4 sec.07, T.19 N., R.10 W., Osceola County, at county road, 4.8 miles west of LeRoy, MI.	20.4	08-27-52 09-27-52	12.6 12.6
04125040	Pine River	Manistee River	Lat 44°03'45", long 85°35'00", in SE1/4 SE1/4 sec.02, T.19 N., R.11 W., Lake County, at Raymond Rd., 2.2 miles south of Bristol, MI.	143	08-27-52	72.6
04125090	Pine River	Manistee River	Lat 44°04'09", long 85°36'17", in SE1/4 NE1/4 sec.03, T.19 N., R.11 W., Lake County, 1.2 miles upstream of Coe Creek, 2.5 miles south of Bristol, MI.	147	08-27-52	79.7
04125100	Pine River	Manistee River	Lat 44°04'34", long 85°37'25", in SE1/4 SE1/4 sec.33, T.20 N., R.11 W., Lake County, at public fishing site, 3.9 miles northwest of Luther, MI.	151	08-27-52 06-23-71	82.5 104

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04125105	Coe Creek	Pine River	Lat 44°09'47", long 85°35'12", in NE1/4 NE1/4 sec.02, T.20 N., R.11 W., Lake County, 0.8 mile upstream of Olga Lake, 3.9 miles north of Bristol, MI.	1.00	08-27-52	0.10
04125110	Coe Creek	Pine River	Lat 44°08'43", long 85°34'23", in NW1/4 NE1/4 sec.12, T.20 N., R.11 W., Lake County, 2.0 miles upstream of Dyer Creek, 2.8 miles north of Bristol, MI.	4.40	08-27-52	0.94
04125115	Coe Creek	Pine River	Lat 44°07'01", long 85°33'17", in NE1/4 NW1/4 sec.19, T.20 N., R.10 W., Osceola County, 400 feet upstream of Dyer Creek, 1.8 miles northeast of Bristol, MI.	5.90	08-27-52	1.39
04125120	Dyers Creek	Coe Creek	Lat 44°07'08", long 85°33'44", in SW1/4 SW1/4 sec.18, T.20 N., R.10 W., Osceola County, 0.5 mile upstream of Coe Creek, 1.5 miles northeast of Bristol, MI.	3.90	08-27-52	1.79
04125125	Coe Creek	Pine River	Lat 44°06'12", long 85°33'10", in SW1/4 SE1/4 sec.19, T.20 N., R.10 W., Osceola County, at county road, 1.5 miles east of Bristol, MI.	12.3	08-27-52	2.91
04125130	Coe Creek	Pine River	Lat 44°05'19", long 85°34'50", in NW1/4 NW1/4 sec.36, T.20 N., R.11 W., Lake County, at Meyers Rd., 1.0 mile south of Bristol, MI.	14.5	08-27-52	3.68
04125140	Coe Creek	Pine River	Lat 44°05'18", long 85°36'16", in NE1/4 NE1/4 sec.34, T.20 N., R.11 W., Lake County, 1.5 miles upstream of Pine River, 1.5 miles southwest of Bristol, MI.	17.8	08-27-52	4.51
04125150	Pine River	Manistee River	Lat 44°04'44", long 85°38'38", in NE1/4 SE1/4 sec.32, T.20 N., R.11 W., Lake County, at Skeokum Rd., 3.5 miles southwest of Bristol, MI.	173	08-27-52	109
04125200	Pine River	Manistee River	Lat 44°06'46", long 85°41'00", in SE1/4 NE1/4 sec.24, T.20 N., R.12 W., Lake County, at State Rd., 4.8 miles south of Hoxeyville, MI.	183	08-27-52 09-29-52	133 130
04125205	Pine River	Manistee River	Lat 44°06'54", long 85°41'04", in NE1/4 NE1/4 sec.24, T.20 N., R.12 W., Lake County, at Silver Creek Campground, 5.2 miles north of Luther, MI.	185	06-23-71	138
04125208	Silver Creek	Pine River	Lat 44°07'20", long 85°35'37", in NW1/4 SW1/4 sec.16, T.20 N., R.11 W., Lake County, 2.0 miles upstream of Pine River, 5.2 miles southeast of Hoxeyville, MI.	5.00	08-27-52	1.56
04125210	Silver Creek	Pine River	Lat 44°07'05", long 85°41'05", in SW1/4 SW1/4 sec.18, T.20 N., R.11 W., Lake County, at Griffis Rd., 4.5 miles south of Hoxeyville, MI.	9.60	08-27-52	4.31
04125215	Pine River	Manistee River	Lat 44°07'54", long 85°41'47", in NE1/4 NW1/4 sec.13, T.20 N., R.12 W., Lake County, 1.2 miles downstream of Silver Creek, 3.2 miles south of Hoxeyville, MI.	198	08-27-52 09-29-52	127 138
04125220	Pine River	Manistee River	Lat 44°09'13", long 85°42'46", in NW1/4 SE1/4 sec.02, T.20 N., R.12 W., Lake County, 200 feet upstream of Elm Creek, 2.0 miles south of Hoxeyville, MI.	203	08-27-52 09-29-52	148 154
04125230	Elm Creek	Pine River	Lat 44°09'14", long 85°42'47", in NW1/4 SE1/4 sec.02, T.20 N., R.12 W., Lake County, at mouth, 2.0 miles south of Hoxeyville, MI.	2.30	08-27-52	3.38

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04125250	Poplar Creek	Pine River	Lat 44°10'43", long 85°37'11", in NE1/4 NE1/4 sec.34, T.21 N., R.11 W., Wexford County, at U.S.F.S. Rd. 5181, 4.5 miles east of Hoxeyville, MI.	2.30	08-27-52	0.80
04125300	Poplar Creek	Pine River	Lat 44°10'47", long 85°38'12", in SW1/4 SW1/4 sec.27, T.21 N., R.11 W., Wexford County, 2.8 miles upstream of Dowling Creek, 4.0 miles east of Hoxeyville, MI.	8.20	08-27-52	6.39
04125320	Poplar Creek	Pine River	Lat 44°10'48", long 85°39'28", in SW1/4 SW1/4 sec.28, T.21 N., R.11 W., Wexford County, at U.S.F.S. Rd. 5334, 2.8 miles east of Hoxeyville, MI.	10.3	08-27-52	10.1
04125340	Poplar Creek	Pine River	Lat 44°10'26", long 85°40'40", in SW1/4 NW1/4 sec.32, T.21 N., R.11 W., Wexford County, 3.0 miles upstream of Pine River, 2.0 miles southeast of Hoxeyville, MI.	17.1	08-27-52	13.7
04125350	Poplar Creek	Pine River	Lat 44°10'16", long 85°42'34", in NE1/4 SE1/4 sec.36, T.21 N., R.12 W., Wexford County, 1.5 miles upstream of Pine River, 1.5 miles southeast of Hoxeyville, MI.	19.1	08-27-52	15.8
04125360	Poplar Creek	Pine River	Lat 44°09'32", long 85°43'49", in SW1/4 NE1/4 sec.03, T.20 N., R.12 W., Lake County, at mouth, 1.5 miles southwest of Hoxeyville, MI.	19.7	08-27-52	16.1
04125370	Pine River	Manistee River	Lat 44°09'32", long 85°43'50", in SW1/4 NE1/4 sec.03, T.20 N., R.12 W., Lake County, 200 feet downstream of Poplar Creek, 1.5 miles southwest of Hoxeyville, MI.	228	08-27-52	178
04125380	Hoxey Creek	Pine River	Lat 44°10'38", long 85°42'52", in NW1/4 NW1/4 sec.36, T.21 N., R.12 W., Wexford County, at County Road 11 1/4, 1.1 miles south of Hoxeyville, MI.	4.20	08-27-52	2.51
04125450	Pine River	Manistee River	Lat 44°10'45", long 85°45'40", in SE1/4 SE1/4 sec.28, T.21 N., R.12 W., Wexford County, 2.3 miles downstream of Hoxey Creek, 2.2 miles southwest of Hoxeyville, MI.	238	08-27-52	206
04125460	Pine River	Manistee River	Lat 44°11'36", long 85°46'11", in NW1/4 NE1/4 sec.28, T.21 N., R.12 W., Wexford County, at County Road 48, 3.0 miles west of Hoxeyville, MI.	245	08-27-52	213
04125700	Bear Creek	Manistee River	Lat 44°18'41", long 86°02'59", in NW1/4 NE1/4 sec.18, T.22 N., R.14 W., Manistee County, at Potter Bridge, 1.5 miles northwest of Brethren, MI.	170	06-03-58	105
					07-12-60	102
					02-09-61	118
					04-12-61	181
					07-20-61	83.6
					10-11-61	135
					01-11-62	158
					07-09-62	104
					01-09-63	149
					04-11-63	246
					07-08-63	89.4
					10-07-63	87.7
					01-08-64	131
					01-13-65	143
					07-08-65	95.8
					07-07-66	80.1
					10-05-66	86.7
					01-12-67	175
					07-17-67	134
					09-13-67	88.7
					10-23-67	108
					01-15-68	134
					07-08-68	150
					10-07-68	118

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04126100	Little Manistee River	Manistee Lake	Lat 44°00'00", long 85°38'39", in SE1/4 SE1/4 sec.29, T.19 N., R.11 W., lake County, at Hemstreet Rd., 2.8 miles southeast of Luther, MI.	11.5	08-30-56	0.96
04126105	Little Manistee River	Manistee Lake	Lat 44°01'48", long 85°39'47", in NE1/4 SE1/4 sec.19, T.19 N., R.11 W., Lake County, just downstream of unnamed tributary, 1.5 miles southeast of Luther, MI.	22.5	08-30-56	3.64
04126110	Little Manistee River	Manistee Lake	Lat 44°02'06", long 85°40'56", in NW1/4 SW1/4 sec.18, T.19 N., R.11 W., Lake County, at State Rd., at Luther, MI.	26.0	08-30-56	7.06
04126115	Unnamed tributary	Little Manistee River	Lat 44°01'58", long 85°44'21", in SW1/4 SE1/4 sec.13, T.19 N., R.12 W., Lake County, 0.2 mile upstream of Little Manistee River, 0.5 mile southwest of Luther, MI.	3.00	08-30-56	1.78
04126120	Perch Lake Outlet	Little Manistee River	Lat 44°02'47", long 85°40'56", in SE1/4 SE1/4 sec.12, T.19 N., R.12 W., Lake County, at State Rd., 0.5 mile north of Luther, MI.	2.20	08-30-56	0.94
04126125	Little Manistee River	Manistee Lake	Lat 44°02'32", long 85°42'09", in NE1/4 NE1/4 sec.14, T.19 N., R.12 W., Lake County, at Dagen Rd., 1.0 mile west of Luther, MI.	33.5	08-30-56	11.0
04126130	Little Manistee River	Manistee Lake	Lat 44°02'05", long 85°43'18", in SE1/4 SW1/4 sec.14, T.19 N., R.12 W., Lake County, at King's Hwy., 2.0 miles west of Luther, MI.	38.7	08-30-56	11.3
04126135	Little Manistee River	Manistee Lake	Lat 44°02'30", long 85°44'54", in SW1/4 NE1/4 sec.16, T.19 N., R.12 W., Lake County, 2.5 miles upstream of Twin Creek, 3.2 miles west of Luther, MI.	45.7	08-30-56	16.3
04126140	Little Manistee River	Manistee Lake	Lat 44°02'24", long 85°46'29", in SE1/4 NW1/4 sec.17, T.19 N., R.12 W., Lake County, 1.5 miles upstream of Twin Creek, 4.5 miles west of Luther, MI.	48.7	08-30-56	17.7
04126145	Little Manistee River	Manistee Lake	Lat 44°02'31", long 85°47'39", in NE1/4 NW1/4 sec.18, T.19 N., R.12 W., Lake County, 50 feet upstream of Twin Creek, 4.8 miles east of Peacock, MI.	67.4	08-30-56	22.5
04126150	North Branch Twin Creek	Twin Creek	Lat 44°03'10", long 85°46'34", in SE1/4 NW1/4 sec.08, T.19 N., R.12 W., Lake County, 50 feet upstream of S. Br. Twin Creek, 4.5 miles west of Luther, MI.	8.50	08-30-56	3.92
04126155	South Branch Twin Creek	Twin Creek	Lat 44°03'10", long 85°46'27", in SE1/4 NW1/4 sec.08, T.19 N., R.12 W., Lake County, 75 feet upstream of N. Br. Twin Creek, 4.4 miles west of Luther, MI.	4.60	08-30-56	3.43
04126160	Twin Creek	Little Manistee River	Lat 44°02'34", long 85°47'39", in NE1/4 NW1/4 sec.18, T.19 N., R.12 W., Lake County, 150 feet upstream of Little Manistee River, 4.8 miles east of Peacock, MI.	16.0	08-30-56	10.7
04126164	Little Manistee River	Manistee Lake	Lat 44°02'39", long 85°49'07", in NW1/4 NW1/4 sec.13, T.19 N., R.13 W., Lake County, 1.0 mile downstream of Twin Creek, 3.5 miles east of Peacock, MI.	72.6	08-30-56	33.9
04126166	Little Manistee River	Manistee Lake	Lat 44°03'28", long 85°50'35", in NE1/4 NE1/4 sec.10, T.19 N., R.13 W., Lake County, at State Hwy. M-37, 2.2 miles east of Peacock, MI.	78.9	08-30-56	39.6

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04126168	Mud Lake Outlet	Little Manistee River	Lat 44°03'34", long 85°50'38", in NE1/4 NE1/4 sec.10, T.19 N., R.13 W., Lake County, 40 feet upstream of Little Manistee River, 2.2 miles northeast of Peacock, MI.	10.2	08-30-56	4.95
04126170	Little Manistee River	Manistee Lake	Lat 44°03'39", long 85°51'58", in NE1/4 NE1/4 sec.09, T.19 N., R.13 W., Lake County, 150 feet upstream of Butterfly Creek, 1.5 miles northeast of Peacock, MI.	98.1	08-30-56	45.6
04126172	Butterfly Creek	Little Manistee River	Lat 44°03'42", long 85°52'02", in SE1/4 SE1/4 sec.04, T.19 N., R.13 W., Lake County, 100 feet upstream of Little Manistee River, 1.5 miles northeast of Peacock, MI.	0.76	08-30-56	1.27
04126173	Little Manistee River	Manistee Lake	Lat 44°03'56", long 85°53'00", in NW1/4 SW1/4 sec.04, T.19 N., R.13 W., Lake County, at Spencer Bridge, 1.2 miles north of Peacock, MI.	114	08-30-56	47.0
04126174	Little Manistee River	Manistee Lake	Lat 44°05'24", long 85°54'18", in SW1/4 SW1/4 sec.29, T.20 N., R.13 W., Lake County, at Indian Bridge, 3.2 miles north of Peacock, MI.	122	08-30-56	59.7
04126175	Little Manistee River	Manistee Lake	Lat 44°06'20", long 85°55'38", in SW1/4 SE1/4 sec.24, T.20 N., R.14 W., Lake County, at Johnson Bridge, 2.5 miles south of Irons, MI.	129	08-30-56 06-23-71	65.1 82.8
04126176	Little Manistee River	Manistee Lake	Lat 44°06'46", long 85°57'45", in SW1/4 NW1/4 sec.23, T.20 N., R.14 W., Lake County, 5.5 miles upstream of Stronach Creek, 3.0 miles southwest of Irons, MI.	134	08-30-56	71.2
04126178	Little Manistee River	Manistee Lake	Lat 44°07'14", long 85°58'57", in SW1/4 SW1/4 sec.15, T.20 N., R.14 W., Lake County, at Fox Bridge, 3.8 miles southwest of Irons, MI.	137	08-30-56	73.0
04126180	Little Manistee River	Manistee Lake	Lat 44°07'47", long 85°59'21", in SW1/4 NE1/4 sec.16, T.20 N., R.14 W., Lake County, at Pole Bridge, on Mitchell Rd., 3.7 miles west of Irons, MI.	140	08-30-56 06-23-71	81.3 99.9
04126182	Stronach Creek	Little Manistee River	Lat 44°08'48", long 85°59'08", in NE1/4 NE1/4 sec.09, T.20 N., R.14 W., Lake County, 1.5 miles upstream of Beaver Lake, 3.5 miles west of Irons, MI.	13.0	08-30-56	2.16
04126184	Stronach Creek	Little Manistee River	Lat 44°08'58", long 86°00'43", in SE1/4 SW1/4 sec.05, T.20 N., R.14 W., Lake County, 10 feet upstream of Cool Creek, 4.8 miles west of Irons, MI.	14.2	08-30-56	3.36
04126185	Cool Creek	Stronach Creek	Lat 44°09'44", long 85°58'53", in NW1/4 NW1/4 sec.03, T.20 N., R.14 W., Lake County, 0.5 mile downstream of Cool Lake, 3.5 miles northwest of Irons, MI.	2.30	08-30-56	14.3
04126186	Cool Creek	Stronach Creek	Lat 44°09'02", long 86°00'45", in SE1/4 SW1/4 sec.05, T.20 N., R.14 W., Lake County, 10 feet upstream of Stronach Creek, 4.8 miles west of Irons, MI.	4.60	08-30-56	15.3
04126187	Stronach Creek	Little Manistee River	Lat 44°08'45", long 86°01'25", in NE1/4 NE1/4 sec.07, T.20 N. R.14 W., Lake County, 10 feet upstream of Little Manistee River, 5.2 miles west of Irons, MI.	20.9	08-30-56	20.1
04126188	Little Manistee River	Manistee Lake	Lat 44°08'45", long 86°01'26", in NE1/4 NE1/4 sec.07, T.20 N., R.14 W., Lake County, at Eighteenmile Bridge, 5.2 miles west of Irons, MI.	166	08-30-56	105

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04126189	Little Manistee River	Manistee Lake	Lat 44°09'18", long 86°04'09", in SE1/4 NE1/4 sec.03, T.20 N., R.15 W., Mason County, 3.5 miles downstream of Stronach Creek, 8.0 miles west of Irons, MI.	178	08-30-56	106
04126190	Little Manistee River	Manistee Lake	Lat 44°09'47", long 86°05'07", in SE1/4 NE1/4 sec.03, T.20 N., R.15 W., Mason County, at River Dr. picnic grounds, 7.6 miles northeast of Freesoil, MI.	---	06-23-71	141
04126195	Little Manistee River	Manistee Lake	Lat 44°10'15", long 86°06'11", in SW1/4 SW1/4 sec.35, T.21 N., R.15 W., Manistee County, at Ninemile Bridge, 7.0 miles northeast of Freesoil, MI.	185	08-30-56	108
04126200	Little Manistee River	Manistee Lake	Lat 44°11'00", long 86°10'00", in NE1/4 NE1/4 sec.31, T.21 N., R.15 W., Manistee County, at Six Mile Bridge, 5.8 miles north of Freesoil, MI.	200	06-01-54	280
					06-28-54	217
					07-06-54	166
					08-03-54	138
					09-08-54	122
					10-06-54	213
					08-22-55	120
					08-30-56	127
					08-10-78	153
					09-12-78	153
					03-20-79	358
					08-14-79	184
					04-23-80	219
					07-22-80	193
					09-25-80	215
04126300	Little Manistee River	Manistee Lake	Lat 44°12'01", long 86°11'45", in NE1/4 NW1/4 sec.25, T.21 N., R.16 W., Manistee County, just downstream of Fourmile Dam, 4.0 miles east of Stronach, MI.	208	08-30-56	148
04126500	Little Manistee River	Manistee Lake	Lat 44°12'37", long 86°14'41", in SE1/4 NE1/4 sec.21, T.21 N., R.16 W., Manistee County, 2.5 miles upstream of mouth, 1.5 miles east of Stronach, MI.	219	06-21-54	304
					08-30-56	162
04126502	Little Manistee River	Manistee Lake	Lat 44°12'34", long 86°16'33", in SW1/4 SE1/4 sec.20, T.21 N., R.16 W., Manistee County, 0.2 mile upstream of mouth, 0.4 mile south of Stronach, MI.	222	08-30-56	172
04126525	Mason Creek	Duck Lake	Lat 44°37'53", long 85°43'16", in SE1/4 SE1/4 sec.23, T.26 N., R.12 W., Grand Traverse County, at Lake Shore Rd., 2.8 miles southwest of Grawn, MI.	---	06-19-84	16.7
04126530	Ellis Lake Outlet	Tonawanda Lake	Lat 44°39'31", long 85°45'00", in NE1/4 NW1/4 sec.15, T.26 N., R.12 W., Grand Traverse County, at U.S. Hwy. 31, 1.0 mile northeast of Interlochen, MI.	1.79	10-15-57	1.04
04126532	Duck Lake Outlet	Green Lake	Lat 44°38'29", long 85°46'01", in NW1/4 NE1/4 sec.21, T.26 N., R.12 W., Grand Traverse County, at State Hwy. M-137, 0.2 mile south of Interlochen, MI.	---	06-19-84	36.8
04126535	Cedar-Hedge Lake Outlet	Duck Lake Outlet	Lat 44°39'32", long 85°47'04", in SW1/4 SE1/4 sec.08, T.26 N., R.12 W., Grand Traverse County, at U.S. Hwy. 31, 1.0 mile northwest of Interlochen, MI.	4.02	10-15-57	2.85
04126546	Green Lake Inlet	Green Lake	Lat 44°37'59", long 85°46'55", in NE1/4 SE1/4 sec.20, T.26 N., R.12 W., Grand Traverse County, at Diamond Park Rd., 1.0 mile southwest of Interlochen, MI.	---	06-18-84	60.0
					08-01-84	17.9
					09-06-84	20.3

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04126550	Betsie River	Lake Michigan	Lat 44°35'35", long 85°47'48", in SW1/4 NW1/4 sec.05, T.25 N., R.12 W., Grand Traverse County, at Betsie River Rd., 1.2 miles northwest of Karlin, MI.	59.6	11-21-44	43.4
					08-09-45	62.0
					10-17-45	84.8
					01-30-46	109
					04-23-46	83.4
					07-10-46	45.6
					10-28-46	33.7
					12-30-46	43.4
					05-16-47	133
					07-28-47	44.3
					10-07-47	44.8
					01-15-48	47.7
					05-17-48	76.8
					08-12-48	30.4
					10-08-48	25.2
					01-04-49	5.08
					04-14-49	75.0
					08-11-49	25.0
					10-17-49	24.9
					12-22-49	46.5
					03-29-50	67.3
					07-25-50	38.4
					10-18-50	39.1
					01-31-51	54.5
					04-23-51	128
					07-26-51	47.4
					10-08-51	46.3
					01-21-52	95.0
					04-23-52	149
					07-29-52	66.2
					10-14-52	23.4
					01-09-53	60.5
					04-23-53	84.2
					07-27-53	50.4
					10-23-53	31.1
					01-28-54	51.0
					04-19-54	80.0
					07-14-54	110
					10-05-54	60.0
					01-20-55	57.5
					04-06-55	78.0
					07-26-55	29.8
					10-20-55	23.1
					01-13-56	47.1
					01-17-56	55.8
					04-12-56	80.9
					04-30-56	63.6
					07-25-56	40.3
					07-30-56	48.1
					10-15-57	27.9
					01-29-58	62.3
					04-04-58	55.4
					07-29-58	29.2
					10-23-58	39.4
					01-20-59	51.6
					04-15-59	102
					07-07-59	32.9
					10-27-59	50.9
					01-25-60	75.2
					01-30-61	64.8
					04-18-61	89.2
					10-11-61	80.1
					04-12-62	97.7
					07-12-62	31.2
					10-10-62	42.2
					01-10-63	53.4
					04-16-63	101
					07-10-63	27.8
					10-09-63	24.3
					01-21-64	53.8
					04-14-64	83.7
					07-14-64	29.7
					10-08-64	34.6
					01-14-65	62.9
					04-08-65	62.5
					07-09-65	27.6
					10-11-65	79.2
					01-05-66	85.8
					04-06-66	105

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04126550	Betsie River	Lake Michigan	Continued		07-14-66 10-20-66 01-12-67 04-05-67 07-18-67 10-03-67 01-03-68 04-12-68 07-22-68 10-08-68 01-21-69 04-14-69 06-18-84	25.1 39.0 94.3 105 57.1 37.5 71.0 85.4 43.4 48.2 81.7 86.6 66.2
04126560	Betsie River	Lake Michigan	Lat 44°35'29", long 85°50'49", in NW1/4 SE1/4 sec.02, T.25 N., R.13 W., Benzie County, 250 feet downstream of Dept. of Nat. Resources dam, 4.5 miles northwest of Karlin, MI.	80.9	10-15-57	45.0
R 04126562	Betsie River	Lake Michigan	Lat 44°34'29", long 85°52'40", in NW1/4 SW1/4 sec.10, T.25 N., R.13 W., Benzie County, at Worlds Bridge, 4.8 miles northeast of Thompsonville, MI.	83.0	10-15-57	43.0
R 04126563	Betsie River	Lake Michigan	Lat 44°33'55", long 85°53'53", in SW1/4 NW1/4 sec.16, T.25 N., R.13 W., Benzie County, at Long Rd., 3.7 miles northeast of Thompsonville, MI.	86.9	10-15-57	44.1
R 04126564	Betsie River	Lake Michigan	Lat 44°33'18", long 85°55'02", in NW1/4 NW1/4 sec.20, T.25 N., R.13 W., Benzie County, at Carmean Rd., 2.6 miles northeast of Thompsonville, MI.	89.6	10-15-57	47.4
R 04126565	Betsie River	Lake Michigan	Lat 44°32'44", long 85°56'14", in SW1/4 SW1/4 sec.19, T.25 N., R.13 W., Benzie County, at County Road 669, 1.8 miles north of Thompsonville, MI.	95.4	10-15-57 06-23-71	47.4 89.3
R 04126570	Little Betsie River	Betsie River	Lat 44°32'01", long 85°52'39", in NW1/4 SW1/4 sec.27, T.25 N., R.13 W., Benzie County, at Nessen Rd., 0.7 mile north of Nessen City, MI.	4.90	10-15-57	6.86
R 04126572	Little Betsie River	Betsie River	Lat 44°32'05", long 85°54'34", in NE1/4 SW1/4 sec.29, T.25 N., R.13 W., Benzie County, at Bentley Rd., 1.7 miles north of Thompsonville, MI.	5.94	10-15-57 06-23-71	8.39 9.98
R 04126573	Little Betsie River	Betsie River	Lat 44°31'56", long 85°57'30", in SW1/4 sec.30, T.25 N., R.13 W., Benzie County, on County Road 669, 0.5 mile upstream of mouth, 1.0 mile north of Thompsonville, MI.	9.30	10-15-57	9.21
R 04126575	Betsie River	Lake Michigan	Lat 44°31'43", long 85°57'01", in SE1/4 SW1/4 sec.25, T.25 N., R.14 W., Benzie County, at Galliger Rd., 0.8 mile northwest of Thompsonville, MI.	106	10-15-57	65.9
R 04126577	Betsie River	Lake Michigan	Lat 44°31'12", long 85°57'41", in NE1/4 SE1/4 sec.36, T.25 N., R.14 W., Benzie County, at Red Bridge, 1.1 miles west of Thompsonville, MI.	110	10-15-57	67.9
R 04126579	Unnamed tributary	Betsie River	Lat 44°30'51", long 85°57'31", in SW1/4 SW1/4 sec.36, T.25 N., R.14 W., Benzie County, 500 feet downstream of Betsie River, 0.8 mile southwest of Thompsonville, MI.	1.83	10-15-57	0.00
R 04126581	Betsie River	Lake Michigan	Lat 44°30'05", long 85°58'42", in SW1/4 SW1/4 sec.02, T.24 N., R.14 W., Manistee County, at Kurick Rd., 2.0 miles southwest of Thompsonville, MI.	115	10-15-57	80.9

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
R 04126584	Betsie River	Lake Michigan	Lat 44°29'48", long 86°01'48", in NE1/4 NW1/4 sec.08, T.24 N., R.14 W., Manistee County, at Psutka Rd., 4.5 miles southwest of Thompsonville, MI.	121	10-15-57	82.1
R 04126586	Betsie River	Lake Michigan	Lat 44°30'51", long 86°02'40", in NE1/4 NE1/4 sec.06, T.24 N., R.14 W., Manistee County, at Smeltzer Rd., 5.0 miles west of Thompsonville, MI.	128	10-15-57	89.4
R 04126588	Betsie River	Lake Michigan	Lat 44°31'44", long 86°03'37", in NE1/4 NE1/4 sec.36, T.25 N., R.15 W., Benzie County, 2.8 miles upstream of Deer Creek, 5.8 miles west of Thompsonville, MI.	134	10-15-57	90.0
R 04126590	Deer Creek	Betsie River	Lat 44°34'05", long 85°59'49", in NW1/4 NW1/4 sec.15, T.25 N., R.14 W., Benzie County, at County Road 671, 4.2 miles northwest of Thompsonville, MI.	10.2	10-15-57	3.04
R 04126591	Deer Creek	Betsie River	Lat 44°33'27", long 86°00'54", in SW1/4 SW1/4 sec.16, T.25 N., R.14 W., Benzie County, 2.5 miles upstream of Betsie River, 4.5 miles northwest of Thompsonville, MI.	14.4	10-15-57	4.26
R 04126592	Unnamed tributary	Deer Creek	Lat 44°33'16", long 85°59'52", in NW1/4 NW1/4 sec.22, T.25 N., R.14 W., Benzie County, at County Road 671, 3.5 miles northwest of Thompsonville, MI.	1.30	10-15-57	0.30
R 04126594	Deer Creek	Betsie River	Lat 44°33'04", long 86°02'46", in SW1/4 NE1/4 sec.19, T.25 N., R.14 W., Benzie County, at State Hwy. M-115, 5.5 miles southeast of Benzonia, MI.	17.6	10-15-57	7.38
R 04126596	Betsie River	Lake Michigan	Lat 44°33'26", long 86°03'14", in NE1/4 NW1/4 sec.19, T.25 N., R.14 W., Benzie County, at State Hwy. M-115, 4.8 miles southeast of Benzonia, MI.	158	08-09-45	62.0
					10-15-57	101
					10-28-59	209
					01-13-60	265
					04-16-60	348
					10-12-60	135
					01-13-61	199
					07-14-61	128
					10-11-61	207
					01-22-62	214
					04-12-62	312
					07-12-62	129
					10-11-62	135
					01-10-63	169
					04-12-63	273
					07-10-63	113
					10-09-63	109
					01-08-64	157
					04-10-64	301
					07-07-64	115
					10-07-64	146
					01-13-65	166
					04-07-65	264
					07-08-65	120
					10-06-65	228
					01-05-66	227
					04-06-66	311
					07-08-66	106
					10-05-66	119
					01-12-67	216
					04-04-67	455
					07-18-67	187
					10-05-67	138
					01-16-68	151
					04-08-68	249
					07-08-68	162
					10-07-68	159
					01-21-69	230
					04-14-69	270

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
R 04126600	Betsie River	Lake Michigan	Lat 44°36'02", long 86°05'57", in NW1/4 NW1/4 sec.02, T.25 N., R.15 W., Benzie County, at U.S. Hwy. 31, 1.2 miles south of Benzonia, MI.	170	07-30-73	189
					12-12-73	245
					04-15-74	503
					06-12-74	310
					07-17-74	209
					08-20-74	191
					09-19-74	156
					10-03-74	166
					12-18-74	224
					01-08-75	203
					02-05-75	223
					03-20-75	248
					04-09-75	299
					05-15-75	280
					07-14-75	209
					07-15-76	149
					09-17-76	142
					10-18-76	155
					03-17-77	586
					06-29-77	126
					08-03-77	151
					04-13-78	565
					07-31-78	166
					03-22-79	583
					08-16-79	214
					09-27-79	164
					03-26-80	301
					07-21-80	212
04126640	Crystal Lake Outlet	Betsie River	Lat 44°37'56", long 86°08'41", in NW1/4 NE1/4 sec.29, T.26 N., R.15 W., Benzie County, at State Hwy. M-115, 2.5 miles west of Benzonia, MI.	32.0	05-10-44	36.8
					09-19-44	6.05
					11-21-44	7.10
					08-09-45	23.3
					11-05-45	23.3
					01-31-46	30.3
					04-23-46	31.7
					07-10-46	27.0
					09-27-46	4.91
					01-23-47	0.00
					05-16-47	35.6
					07-28-47	28.0
					10-09-47	5.81
					01-15-48	0.50
					04-02-48	18.9
					08-12-48	11.2
					10-08-48	2.44
					01-04-49	1.45
					04-14-49	15.3
					08-11-49	15.4
					10-17-49	0.06
					12-22-49	0.00
					03-29-50	15.0
					07-25-50	19.6
					10-02-50	7.20
					07-30-73	19.8
					12-12-73	0.59
					01-16-74	0.55
					02-27-74	0.77
					03-25-74	14.4
					04-15-74	39.3
					06-12-74	60.2
					07-17-74	36.0
					08-20-74	29.0
					09-19-74	6.18
					10-03-74	2.47
					01-08-75	3.33
					02-05-75	6.83
					03-20-75	19.2
					04-09-75	29.8
					07-14-75	34.8
					07-15-76	15.5
					09-17-76	0.75
					10-18-76	0.48
					08-03-77	7.99
					07-31-78	21.7
					09-27-79	0.68
					07-21-80	46.7
					09-24-80	2.21
04126650	Unnamed tributary	Lake Ann	Lat 44°42'50", long 85°50'18", in SE1/4 NE1/4 sec.26, T.27 N., R.13 W., Benzie County, at County Road 665, 0.8 mile south of Lake Ann, MI.	4.78	10-07-57	5.02

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04126655	Platte River	Platte Lake	Lat 44°42'24", long 85°51'42", in SE1/4 SE1/4 sec.27, T.27 N., R.13 W., Benzie County, 0.5 miles downstream of Lake Ann, 1.5 miles southwest of Lake Ann, MI.	47.6	10-07-57 08-12-75	16.9 22.7
04126656	Platte River	Platte Lake	Lat 44°42'24", long 85°52'46", in SE1/4 SE1/4 sec.28, T.27 N., R.13 W., Benzie County, 2.2 miles southwest of Lake Ann, MI.	---	08-12-75	26.3
04126657	Upper Woodcock Lake Outlet	Platte River	Lat 44°42'25", long 85°52'58", in SE1/4 SE1/4 sec.28, T.27 N., R.13 W., Benzie County, at Mill Rd., 2.3 miles southwest of Lake Ann, MI.	---	08-12-75	3.06
04126658	Lower Woodcock Lake Outlet	Platte River	Lat 44°42'17", long 85°52'50", in SE1/4 SE1/4 sec.28, T.27 N., R.13 W., Benzie County, 2.3 miles southwest of Lake Ann, MI.	---	08-12-75	5.31
04126659	Bell Lake Outlet	Platte River	Lat 44°40'51", long 85°53'00", in SW1/4 NE1/4 sec.04, T.26 N., R.13 W., Benzie County, at Bronson Lake Rd., 3.5 miles southwest of Lake Ann, MI.	---	08-12-75	2.06
04126660	Platte River	Platte Lake	Lat 44°41'06", long 85°53'18", in SW1/4 NE1/4 sec.04, T.26 N., R.13 W., Benzie County, at Burnt Mill Rd., 3.5 miles southwest of Lake Ann, Mi.	66.2	10-17-57 06-23-71 08-12-75	32.8 56.6 41.2
04126662	Platte River	Platte Lake	Lat 44°40'57", long 85°55'20", in NE1/4 SE1/4 sec.06, T.26 N., R.13 W., Benzie County, at County Road 669, 4.7 miles northeast of Honor, MI.	71.6	10-07-57 06-02-80	36.6 60.7
04126663	Platte River	Platte Lake	Lat 44°40'29", long 85°55'48", in SE1/4 SW1/4 sec.06, T.26 N., R.13 W., Benzie County, at Fewins Rd., 4.1 miles northeast of Honor, MI.	---	07-01-80 08-04-80 09-02-80 10-15-80 11-05-80 12-09-80 01-13-81 01-23-81 03-11-81 04-14-81 05-12-81	67.3 51.9 51.2 53.4 53.6 60.0 56.5 61.5 56.0 72.4 67.0
04126664	Platte River	Platte Lake	Lat 44°39'56", long 85°55'59", in NE1/4 SW1/4 sec.07, T.26 N., R.13 W., Benzie County, below State Fish Hatchery, 4.0 miles east of Honor, MI.	---	08-12-75	48.2
04126670	Kinny Creek	Brundage Creek	Lat 44°39'16", long 85°55'17", in SE1/4 NE1/4 sec.18, T.26 N., R.13 W., Benzie County, 75 feet upstream of Brundage Creek, 5.0 miles east of Honor, MI.	3.46	10-07-57	1.93
04126680	Stanley Creek	Brundage Creek	Lat 44°39'41", long 85°55'15", in SE1/4 SE1/4 sec.07, T.26 N., R.13 W., Benzie County, 300 feet upstream of Brundage Creek, 5.0 miles east of Honor, MI.	4.18	10-07-57	3.74
04126690	Brundage Creek	Platte River	Lat 44°39'48", long 85°55'27", in SW1/4 SE1/4 sec.07, T.26 N., R.13 W., Benzie County, at U.S. Hwy. 31, 700 feet downstream of Stanley Creek, 4.7 miles east of Honor, MI.	12.5	10-07-57 04-06-66 04-11-66 05-04-66 06-09-66 07-14-66 08-03-66 09-09-66 10-26-66 11-09-66 12-13-66 01-12-67 02-09-67 03-06-67 04-04-67 05-03-67	13.5 20.4 18.4 17.5 17.0 16.1 15.8 13.5 14.1 20.4 15.9 15.9 15.2 14.8 23.9 20.9

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04126690	Brundage Creek	Platte River	Continued		06-07-67	20.9
					07-18-67	26.0
					08-04-67	18.0
					09-08-67	18.2
					10-03-67	18.6
					11-09-67	19.7
					12-04-67	17.1
					01-16-68	17.0
					02-08-68	16.1
					03-11-68	16.0
					04-08-68	16.6
					05-06-68	16.7
					06-04-68	16.1
					07-08-68	15.4
					08-05-68	14.4
					09-09-68	16.4
					10-08-68	15.8
					11-04-68	15.3
					06-02-80	13.1
					06-30-80	13.0
					08-04-80	11.2
					09-02-80	12.1
					10-15-80	12.4
					11-05-80	10.9
					12-09-80	12.6
					01-13-81	11.3
					02-23-81	13.9
					03-11-81	11.6
					04-14-81	12.6
					05-12-81	11.5
04126700	Platte River	Platte Lake	Lat 44°39'36", long 85°56'36", in SW1/4 SE1/4 sec.12, T.26 N., R.14 W., Benzie County, at U.S. Hwy. 31, 4.0 miles east of Honor, MI.	91.9	10-07-57	66.0
					10-27-59	83.6
					01-25-60	81.5
					04-18-60	99.7
					01-13-61	73.7
					04-12-61	88.3
					07-14-61	69.4
					10-11-61	72.0
					01-11-62	83.5
					04-18-62	98.4
					07-25-62	85.5
					10-10-62	70.8
					01-10-63	70.3
					04-16-63	86.3
					07-10-63	56.2
					10-09-63	58.9
					01-21-64	69.1
					04-24-64	75.4
					07-09-64	59.1
					10-07-64	60.3
					01-13-65	65.0
					04-07-65	67.4
					07-09-65	61.5
					04-11-66	86.2
					05-04-66	78.6
					06-09-66	68.2
					08-03-66	59.6
					09-09-66	65.3
					10-26-66	60.7
					01-12-67	78.5
					02-09-67	79.8
					03-06-67	70.5
					05-03-67	97.1
					08-04-67	72.5
					09-08-67	73.9
					10-03-67	82.2
					12-04-67	74.4
					01-16-68	73.3
					02-08-68	79.0
					03-11-68	75.3
					04-08-68	82.2
					05-06-68	77.5
					06-04-68	76.6
					07-08-68	75.0
					08-05-68	66.0
					09-04-68	76.0
					10-08-68	87.6
					11-04-68	72.0

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04126700	Platte River	Platte Lake	Continued		06-02-80	79.5
					06-30-80	85.7
					08-04-80	66.5
					09-02-80	74.2
					10-15-80	73.5
					11-05-80	76.5
					12-09-80	77.2
					01-13-81	74.0
					01-23-81	82.8
					03-11-81	75.4
					04-14-81	93.5
					05-12-81	85.0
04126705	Platte River	Platte Lake	Lat 44°39'18", long 85°57'28", in NE1/4 NE1/4 sec.14, T.26 N., R.14 W., Benzie County, at Hayes Bridge, 3.0 miles east of Honor, MI.	93.5	10-07-57	61.8
04126710	Carter Creek	Platte River	Lat 44°37'45", long 85°56'16", in NE1/4 NE1/4 sec.25, T.26 N., R.14 W., Benzie County, at County Road 669, 4.8 miles southeast of Honor, MI.	6.65	10-07-57	1.97
04126715	Carter Creek	Platte River	Lat 44°38'07", long 85°57'29", in NE1/4 SE1/4 sec.23, T.26 N., R.14 W., Benzie County, 2.5 miles upstream of Platte River, 3.5 miles southeast of Honor, MI.	8.15	10-07-57	5.45
04126720	Carter Creek	Platte River	Lat 44°38'30", long 85°59'28", in SE1/4 NW1/4 sec.22, T.26 N., R.14 W., Benzie County, at Brownell Rd., 2.5 miles southeast of Honor, MI.	10.9	10-07-57	4.83
					06-02-80	8.40
					06-30-80	8.30
					08-04-80	6.10
					09-02-80	8.00
					10-15-80	6.68
					11-04-80	6.80
					12-10-80	6.56
					01-13-81	6.29
					01-23-81	8.00
					03-10-81	6.85
					04-14-81	7.88
					05-12-81	7.90
04126725	Platte River	Platte Lake	Lat 44°38'51", long 85°59'26", in SE1/4 SW1/4 sec.15, T.26 N., R.14 W., Benzie County, at Case Bridge on Pioneer Rd., 2.0 miles southeast of Honor, MI.	109	10-07-57	81.6
					06-23-71	120
					06-02-80	122
					06-30-80	116
					08-04-80	85.0
					09-02-80	93.2
					10-15-80	97.2
					11-05-80	99.6
					12-09-80	115
					01-13-81	102
					01-23-81	119
					03-10-81	108
					04-14-81	117
					05-12-81	108
04126730	Collison Creek	Platte River	Lat 44°39'45", long 86°00'10", in SW1/4 SE1/4 sec.09, T.26 N., R.14 W., Benzie County, at U.S. Hwy. 31, 0.2 miles upstream of mouth, at Honor, MI.	4.75	10-07-57	0.44
					06-02-80	0.67
					06-30-80	0.64
					08-04-80	0.44
					09-02-80	0.44
					10-15-80	0.48
					11-04-80	0.54
04126735	Platte River	Platte Lake	Lat 44°39'38", long 86°01'05", in SW1/4 SW1/4 sec.09, T.26 B., R.14 W., Benzie County, at Zimmerman Rd., at Honor, MI.	117	10-07-57	[illegible].2
R 04126742	Platte River	Platte Lake	Lat 44°40'17", long 86°02'12", in NW1/4 NW1/4 sec.08, T.26 N., R.14 W., Benzie County, at Indian Hill Rd., 1.0 mile northwest of Honor, MI.	118	10-07-57	96.1
					08-27-68	96.2
					06-02-80	121
					06-30-80	122
					08-04-80	99.0
					09-02-80	144
					10-14-80	110
					11-04-80	105
					12-09-80	120
					01-13-81	103
					01-23-81	133
					03-10-81	116
					04-14-81	141
					05-12-81	124

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04126745	Platte River	Platte Lake	Lat 44°40'44", long 86°03'34", in NE1/4 SE1/4 sec.01, T.26 N., R.15 W., Benzie County, 300 feet upstream of North Branch Platte River, 2.2 miles northwest of Honor, MI.	119	10-07-57	101
04126750	North Branch Platte River	Platte River	Lat 44°42'15", long 86°02'28", in SE1/4 SE1/4 sec.30, T.27 N., R.14 W., Benzie County, at Indian Hill Rd., 3.0 miles northwest of Honor, MI.	19.7	10-07-57	14.6
R 04126751	North Branch Platte River	Platte River	Lat 44°41'01", long 86°03'30", in SE1/4 NE1/4 sec.01, T.26 N., R.15 W., Benzie County, at Deadstream Rd., 2.5 miles northwest of Honor, MI.	31.1	10-07-57	17.1
					06-02-80	15.2
					06-30-80	9.70
					08-04-80	14.1
					09-02-80	15.0
					10-14-80	19.2
					11-04-80	27.3
					12-09-80	34.8
					01-13-81	35.9
					01-23-81	37.7
					03-10-81	35.0
					04-14-81	40.2
					05-12-81	22.6
04126752	Unnamed tributary	Platte Lake	Lat 44°40'05", long 86°02'50", in SE1/4 NW1/4 sec.07, T.26 N., R.14 W., Benzie County, at South Lake Rd., 2.0 miles west of Honor, MI.	---	06-02-80	0.86
					06-30-80	0.91
					08-04-80	0.74
					09-02-80	0.57
					10-14-80	1.56
					11-04-80	0.71
04126753	Unnamed tributary	Platte Lake	Lat 44°40'10", long 86°03'57", in SW1/4 NE1/4 sec.12, T.26 N., R.15 W., Benzie County, at South Lake Rd., 2.5 miles west of Honor, MI.	---	06-02-80	1.30
					06-30-80	1.30
					08-04-80	1.00
					09-02-80	1.00
					10-14-80	3.76
					11-04-80	1.40
04126754	Unnamed tributary	Platte Lake	Lat 44°41'16", long 86°07'11", in SE1/4 NE1/4 sec.04, T.26 N., R.15 W., Benzie County, at South Lake Rd., 6.5 miles northwest of Honor, MI.	---	06-02-80	0.63
					06-30-80	0.60
					08-04-80	0.40
					09-02-80	0.30
					10-14-80	0.62
					11-04-80	0.37
04126755	Platte River	Loon Lake	Lat 44°42'39", long 86°07'08", in NE1/4 SE1/4 sec.28, T.27 N., R.15 W., Benzie County, at State Hwy. M-22, 6.2 miles northwest of Honor, MI.	166	09-26-46	139
					06-24-47	172
					07-28-47	132
					09-21-48	118
					10-07-57	115
					05-09-79	283
					08-14-79	179
					10-29-79	183
					05-15-80	158
					06-02-80	134
					06-30-80	157
					08-04-80	122
					08-28-80	119
					09-02-80	119
					10-14-80	136
					11-04-80	141
					12-09-80	155
					01-13-81	147
					02-23-81	175
					03-10-81	174
					04-14-81	189
					05-05-81	192
					05-12-81	174
					10-28-81	160
					05-24-82	144
04126758	Platte River	Lake Michigan	Lat 44°43'12", long 86°08'12", in SW1/4 SW1/4 sec.21, T.27 N., R.15 W., Benzie County, at Dept. of Natural Resources fish weir, 7.2 miles northwest of Honor.	169	05-09-79	307
					08-14-79	186
					10-29-79	190
					05-15-80	173
					08-28-80	122
					05-05-81	209
					10-28-81	156
					05-25-82	140
04126760	Platte River	Lake Michigan	Lat 44°43'50", long 86°09'19", in SW1/4 NW1/4 sec.20, T.27 N., R.15 W., Benzie County, 0.2 mile upstream of Lake Michigan, 8.0 miles northwest of Honor, MI.	171	10-07-57	118

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04126765	Otter Creek	Lake Michigan	Lat 44°44'32", long 86°03'41", in SE1/4 NE1/4 sec.13, T.27 N., R.15 W., Benzie County, at outlet of Otter Lake, 4.8 miles south of Empire, MI.	1.20	05-10-79	6.84
					08-15-79	3.86
					10-29-79	4.68
					05-13-80	6.14
					08-28-80	3.09
					05-07-81	1.85
					10-26-81	3.36
					05-24-82	5.00
04126767	Otter Creek	Lake Michigan	Lat 44°45'42", long 86°04'26", in SW1/4 SW1/4 sec.01, T.27 N., R.15 W., Benzie County, at Aral Rd., 3.5 miles south of Empire., MI.	9.55	05-09-79	21.6
					08-17-79	21.1
					10-30-79	17.7
					05-12-80	16.4
					08-28-80	14.8
					05-07-81	13.6
					10-27-81	14.9
					05-25-82	16.9
04126800	Crystal River	Lake Michigan	Lat 44°54'00", long 85°57'15", in NW1/4 SW1/4 sec.24, T.29 N., R.14 W., Leelanau County, 0.7 miles downstream of Glen Lake, 1.8 miles east of Glen Arbor, MI.	---	08-23-46	12.5
					09-26-46	20.0
					01-23-47	47.6
					05-16-47	83.7
					07-09-47	68.9
					10-09-47	25.9
					01-23-48	65.6
					02-24-48	59.5
					04-02-48	12.1
					05-17-48	62.0
					08-19-48	20.9
					10-08-48	30.4
					01-04-49	57.9
					02-23-49	61.1
					04-14-49	11.9
					08-11-49	21.3
					10-17-49	71.9
					12-22-49	42.8
					03-29-50	62.9
					07-25-50	26.9
					10-02-50	48.2
04126802	Crystal River	Lake Michigan	Lat 44°54'10", long 85°57'46", in SE1/4 NE1/4 sec.23, T.29 N., R.14 W., Leelanau County, at County Hwy. 675, 1.4 miles east of Glen Arbor, MI.	42.0	05-10-79	92.0
					08-16-79	49.4
					10-30-79	54.9
					05-14-80	54.1
					08-27-80	23.1
					05-05-81	78.0
					10-27-81	60.2
					05-26-82	34.4
04126810	Shalda Creek	Lake Michigan	Lat 44°56'48", long 85°53'07", in SE1/4 NW1/4 sec.04, T.29 N., R.13 W., Leelanau County, at Lake Michigan Rd., 6.2 miles northeast of Glen Arbor, MI.	33.8	05-10-79	54.9
					08-16-79	20.9
					10-30-79	26.6
					05-14-80	28.3
					08-26-80	17.1
					05-05-81	37.1
					10-27-81	20.6
					05-26-82	23.1
04126850	Cedar Run	Lake Leelanau	Lat 44°46'35", long 85°48'28", in SE1/4 SW1/4 sec.31, T.28 N., R.12 W., Leelanau County, at Cedar Valley Dr., 5.0 miles south of Cedar, MI.	---	08-04-83	10.0
04126950	South Branch Boardman River	Boardman River	Lat 44°40'32", long 85°23'12", in NE1/4 SW1/4 sec.03, T.26 N., R.09 W., Grand Traverse County, 0.5 mile upstream of N. Br. Boardman River, 5.8 miles northwest of South Boardman, MI.	46.7	05-12-49	41.7
					06-09-49	40.5
					08-24-49	31.2
					06-23-71	50.1
					07-23-71	50.3
					08-13-75	46.6
					06-18-84	70.2
04126955	South Branch Boardman River	Boardman River	Lat 44°40'30", long 85°23'46", in SE1/4 SE1/4 sec.04, T.26 N., R.09 W., Grand Traverse County, just upstream of N. Br. Boardman River, 6.2 miles northwest of South Boardman, MI.	46.7	08-17-68	33.7
04126956	North Branch Boardman River	Boardman River	Lat 44°43'39", long 85°10'30", in NE1/4 NE1/4 sec.20, T.27 N., R.07 W., Kalkaska County, at State Hwy. M-66, at Kalkaska, MI.	---	08-13-75	12.8
04126958	North Branch Boardman River	Boardman River	Lat 44°41'24", long 85°22'02", in NE1/4 SW1/4 sec.35, T.27 N., R.09 W., Grand Traverse County, at Broomhead Rd., 5.4 miles northwest of South Boardman, MI.	---	06-23-71	62.6
					07-23-71	50.7
					06-18-84	90.6

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04126960	North Branch Boardman River	Boardman River	Lat 44°40'31", long 85°23'45", in SE1/4 SE1/4 sec.04, T.26 N., R.09 W., Grand Traverse County, just upstream of S. Br. Boardman River, 6.2 miles northwest of South Boardman, MI.	75.2	08-17-68	36.7
04126965	Boardman River	Lake Michigan	Lat 44°40'27", long 85°23'47", in SE1/4 SE1/4 sec.04, T.26 N., R.09 W., Grand Traverse County, at Forks Campground , 6.1 miles northwest of South Boardman, MI.	---	05-12-49 06-09-49 08-24-49 06-23-71 08-13-75	91.8 69.9 61.7 120 81.1
04126970	Boardman River	Lake Michigan	Lat 44°39'24", long 85°26'12", in NE1/4 NE1/4 sec.18, T.26 N., R.09 W., Grand Traverse County, at Ranch Rudolph, 5.1 miles northeast of Mayfield, MI.	---	05-12-49 06-09-49 08-24-49 06-18-84 07-31-84 09-05-84	112 86.1 75.6 187 99.0 113
04126985	Boardman River	Lake Michigan	Lat 44°39'07", long 85°27'18", in SW1/4 NW1/4 sec.18, T.26 N., R.09 W., Grand Traverse County, 2.0 miles above Browns Bridge Pond, 4.0 miles northeast of Mayfield, MI.	---	08-13-75	132
04126990	Boardman River	Lake Michigan	Lat 44°38'52", long 85°28'53", in NW1/4 SE1/4 sec.14, T.26 N., R.10 W., Grand Traverse County, 0.4 mile above Browns Bridge Pond, 2.8 miles northeast of Mayfield, MI.	---	06-23-71	152
04126991	Boardman River	Lake Michigan	Lat 44°38'37", long 85°30'33", in SE1/4 SW1/4 sec.15, T.26 N., R.10 W., Grand Traverse County, at outlet of Brown Bridge Pond, 1.6 miles northeast of Mayfield, MI.	---	07-31-84 09-05-84	106 146
04126993	Bancroft Creek	East Creek	Lat 44°36'24", long 85°28'08", in SE1/4 NW1/4 sec.36, T.26 N., R.10 W., Grand Traverse County, at Voice Rd., 3.7 miles northeast of Kingsley, MI.	---	06-19-84	3.68
04126997	East Creek	Boardman River	Lat 44°37'40", long 85°30'15", in NW1/4 NE1/4 sec.27, T.26 N., R.10 W., Grand Traverse County, at Green Rd., 1.3 miles east of Mayfield, MI.	---	06-19-84 07-31-84 09-05-84	32.0 15.8 16.3
R 04126998	East Creek	Boardman River	Lat 44°38'08", long 85°31'07", in SE1/4 NE1/4 sec.21, T.26 N., R.10 W., Grand Traverse County, at Garfield Rd.,0.9 mile northeast of Mayfield, MI.	---	05-13-49 06-09-49 08-24-49 08-13-75	18.7 15.9 11.5 19.7
04127008	Swainston Creek	Boardman River	Lat 44°37'37", long 85°31'57", in NW1/4 NW1/4 sec.28, T.26 N., R.10 W., Grand Traverse County, at Mill St., at Mayfield, MI.	---	06-19-84 07-31-84 09-06-84	12.3 11.4 10.9
04127010	Swainston Creek	Boardman River	Lat 44°37'52", long 85°31'29", in SW1/4 SE1/4 sec.21, T.26 N., R.10 W., Grand Traverse County, 0.5 mile upstream of Boardman River, 0.4 mile north of Mayfield, MI.	---	05-13-49 06-09-49 08-24-49	9.98 10.1 6.50
04127015	Boardman River	Lake Michigan	Lat 44°38'51", long 85°32'53", in NE1/4 SW1/4 sec.17, T.26 N., R.10 W., Grand Traverse County, at River Rd., 1.7 miles northwest of Mayfield, MI.	---	02-17-49 03-21-51	250 302
04127019	Jaxon Creek	Boardman River	Lat 44°37'41", long 85°34'38", in NE1/4 NE1/4 sec.25, T.26 N., R.11 W., Grand Traverse County, at Mill Street Rd., 2.3 miles west of Mayfield, MI.	---	06-18-84	1.21
04127250	Boardman River	Lake Michigan	Lat 44°41'54", long 85°37'14", in NE1/4 NE1/4 sec.34, T.27 N., R.11 W., Grand Traverse County, at Boardman Dam on Cass Rd., 4.6 miles south of Traverse City, MI.	---	06-19-84 07-31-84 09-06-84	441 217 237

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04127490	Boardman River	Lake Michigan	Lat 44°45'44", long 85°37'25", in SW1/4 SE1/4 sec.03, T.27 N., R.11 W., Grand Traverse County, at Union St., at Traverse City, MI.	---	06-19-84	464
					08-01-84	192
					09-06-84	279
04127498	Hospital Creek	Boardman River	Lat 44°45'54", long 85°37'59", in NW1/4 SW1/4 sec.03, T.27 N., R.11 W., Grand Traverse County, at Maple St., at Traverse City, MI.	---	06-19-84	14.5
					08-01-84	11.2
					09-06-84	10.3
04127500	Boardman River	Lake Michigan	Lat 44°45'47", long 85°37'42", in SE1/4 SW1/4 sec.03, T.27 N., R.11 W., Grand Traverse County, 500 feet upstream of Front St., at Traverse City, MI.	---	08-03-39	245
					08-04-39	190
					08-23-39	294
					10-12-39	238
					11-29-39	234
					01-17-40	219
					02-15-40	205
					03-06-40	220
					07-21-66	196
					10-06-66	253
04127510	Mitchell Creek	Lake Michigan	Lat 44°44'05", long 85°33'18", in NW1/4 SW1/4 sec.17, T.27 N., R.10 W., Grand Traverse County, at Three Mile Rd., at Traverse City, MI.	---	12-22-82	7.07
					02-01-83	7.44
					03-02-83	9.03
					07-20-83	2.83
04127520	Mitchell Creek	Lake Michigan	Lat 44°44'52", long 85°33'30", in SE1/4 SE1/4 sec.07, T.27 N., R.10 W., Grand Traverse County, at first bridge upstream of Three Mile Rd., at Traverse City, MI.	---	05-13-49	9.15
					06-10-49	7.37
					08-25-79	5.11
					12-22-82	8.53
					02-01-83	9.55
					03-02-83	10.5
					07-20-83	4.92
					06-19-84	17.3
					07-31-84	5.09
					09-06-84	6.54
04127528	Acme Creek	Lake Michigan	Lat 44°46'31", long 85°29'56", in SE1/4 SE1/4 sec.34, T.28 N., R.10 W., Grand Traverse County, at U.S. Hwy. 31, at Acme, MI.	---	06-19-84	18.9
					07-31-84	13.2
					09-05-84	14.9
04127535	Yuba Creek	Lake Michigan	Lat 44°49'28", long 85°27'30", in SE1/4 NE1/4 sec.13, T.28 N., R.10 W., Grand Traverse County, at U.S. Hwy. 31, 4.0 miles northeast of Acme, MI.	---	06-18-84	22.3
					08-01-84	4.96
					09-05-84	6.55
04127550	Tobeco Creek	Petobego Pond	Lat 44°51'14", long 85°25'55", in SW1/4 NW1/4 sec.05, T.28 N., R.09 W., Grand Traverse County, at U.S. Hwy. 31, 3.0 miles south of Elk Rapids, MI.	---	08-25-49	0.02
					10-17-49	0.06
					12-22-49	5.41
					03-29-50	37.3
					05-18-50	3.04
					07-25-50	0.77
					09-12-50	1.11
					10-18-50	0.76
					01-11-51	3.22
					04-24-51	8.29
					07-26-51	0.00
					10-22-51	9.47
					01-30-52	5.27
					04-10-52	10.7
					07-29-52	7.90
					10-14-52	0.29
					01-07-53	4.20
					04-18-53	5.42
					07-21-53	1.18
					10-20-53	0.90
					01-29-54	4.30
					04-19-54	7.16
					07-14-54	2.16
					10-06-54	9.97
					01-25-55	3.95
					04-06-55	14.8
					07-26-55	0.04
					10-24-55	0.00
					01-30-56	1.98
					04-12-56	18.8
					07-30-56	2.32

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04127550	Tobeco Creek	Petobego Pond	Continued		10-30-56 01-24-57 04-30-57 07-31-57 10-30-57 01-03-58 04-04-58 07-03-58 10-02-58 06-18-84 08-01-84 09-05-84	2.23 4.71 6.95 0.33 4.10 4.10 5.75 0.73 1.51 6.57 0.76 8.01
04127553	Grass Creek	Lake Bellaire	Lat 44°58'48", long 85°15'10", in NE1/4 SE1/4 sec.22, T.30 N., R.08 W., Antrim County, at Bellaire Hwy., 2.2 miles west of Bellaire, MI.	---	05-19-82	0.42
04127556	Cedar River	Blair Lake	Lat 44°56'57", long 85°05'35", in SE1/4 sec.36, T.30 N., R.07 W., Antrim County, 4.0 miles northwest of Mancelona, MI.	---	12-23-78	38.5
04127558	Cedar River	Blair Lake	Lat 44°56'35", long 85°07'20", in NW1/4 NE1/4 sec.02, T.29 N., R.07 W., Antrim County, 2.0 miles west, 3.0 miles north, of Mancelona, MI.	---	12-23-78	59.6
04127560	Cedar River	Blair Lake	Lat 44°57'28", long 85°08'00", in NE1/4 NE1/4 sec.34, T.30 N., R.07 W., Antrim County, 2.0 miles west, 4.0 miles north, of Mancelona, MI.	---	12-23-78	70.9
04127562	Cedar River	Blair Lake	Lat 44°58'10", long 85°08'20", in SW1/4 NW1/4 sec.27, T.30 N., R.07 W., Antrim County, 3.0 miles east of Bellaire, MI.	---	12-23-78	70.4
04127565	Intermediate River	Lake Bellaire	Lat 44°58'42", long 85°12'30", in SE1/4 SE1/4 sec.24, T.30 N., R.08 W., Antrim County, at State Hwy. M-88 at Bellaire, MI.	---	05-19-82	137
04127566	Intermediate River	Lake Bellaire	Lat 44°58'30", long 85°12'48", in NE1/4 NE1/4 sec.25, T.30 N., k.08 W., Antrim County, at Bellaire Hwy., at Bellaire, MI.	---	05-09-77 08-02-77	182 198
04127568	Clam River	Torch Lake	Lat 44°56'32", long 85°17'00", in SE1/4 NW1/4 sec.04, T.29 N., R.08 W., Antrim County, at Torch Lake Rd., at Clam River, MI.	---	05-09-77 08-02-77	282 252
R 04127579	Rapid River	Torch River	Lat 44°48'56", long 85°08'26", in NW1/4 NE1/4 sec.22, T.28 N., R.07 W., Kalkaska County, at U.S. Hwy. 131, 6.2 miles southwest of Antrim, MI.	112	08-15-68	40.1
R 04127584	Little Rapid River	Rapid River	Lat 44°46'47", long 85°12'04", in NW1/4 SE1/4 sec.31, T.28 N., R.07 W., Kalkaska County, at Hanson Rd., 3.5 miles north of Kalkaska, MI.	25.6	08-15-68	21.6
04127585	Rapid River	Torch River	Lat 44°47'32", long 85°12'03", in NW1/4 SE1/4 sec.30, T.28 N., R.07 W., Kalkaska County, at Wood Rd., 3.0 miles northwest of Kalkaska, MI.	---	07-20-83	67.3
04127600	Battle Creek	Elk Lake	Lat 44°46'22", long 85°22'04", in NE1/4 NW1/4 sec.02, T.27 N., R.09 W., Grand Traverse County, at State Hwy. M-72, 1.8 miles east of Williamsburg, MI.	---	05-13-49 06-10-49 08-25-49 06-18-84 07-31-84 09-05-84	9.85 9.85 9.88 18.8 10.1 10.7

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04127620	Williamsburg Creek	Elk Lake	Lat 44°47'41", long 85°23'14", in SE1/4 NW1/4 sec.27, T.28 N., R.09 W., Grand Traverse County, at Ayers Rd., 1.7 miles northeast of Williamsburg, MI.	---	10-14-80	12.0
					06-18-84	27.6
					08-01-84	12.3
					09-05-84	13.2
04127700	Elk River	Lake Michigan	Lat 44°54'02", long 85°24'42", in SW1/4 NW1/4 sec.21, T.29 N., R.09 W., Antrim County, at upstream side of non-operative power plant, at Elk Rapids, MI.	513	03-01-73	655
					03-15-73	835
					04-12-73	961
					05-16-73	549
					06-18-73	484
					07-25-73	501
					08-20-73	406
					10-11-73	435
					01-17-74	550
					03-26-74	644
					06-13-74	890
					07-18-74	633
					08-20-74	502
					09-27-74	371
					10-10-74	717
					11-11-74	766
					12-19-74	581
					01-20-75	480
					04-09-75	809
					07-14-75	337
					08-26-75	877
					07-15-76	351
					05-26-77	597
					07-07-77	349
					08-02-77	620
					07-31-80	544
04127710	Guyer Creek	Lake Michigan	Lat 45°08'14", long 85°21'36", in SE1/4 SW1/4 sec.25, T.32 N., R.09 W., Antrim County, at Old Dixie Hwy., 2.0 miles north of Eastport, MI.	---	06-06-77	0.92
					08-11-77	6.21
04127735	Jordan River	Lake Charlevoix	Lat 45°03'50", long 84°56'51", in NW1/4 SE1/4 sec.20, T.31 N., R.05 W., Antrim County, at highway bridge, 4.6 miles west of Elmira, MI.	---	06-23-71	16.6
04127740	Jordan River	Lake Charlevoix	Lat 45°03'07", long 84°57'54", in NW1/4 SE1/4 sec.30, T.31 N., R.05 W., Antrim County, at roadside park, 5.5 miles west of Elmira, MI.	11.5	08-12-68	29.9
					06-23-71	50.2
04127745	Jordan River	Lake Charlevoix	Lat 45°02'10", long 84°58'06", in NW1/4 SE1/4 sec.31, T.31 N., R.05 W., Antrim County, at Jordan River Rd., 4.0 miles north of Alba, MI.	---	03-02-77	44.8
					04-12-77	46.3
					05-10-77	47.4
					06-07-77	45.5
					08-02-77	57.9
					09-06-77	49.4
					10-04-77	45.7
					11-01-77	45.5
					12-13-77	46.6
					01-03-78	45.8
					02-06-78	38.9
					08-05-83	44.0
04127750	Five Tile Creek	Jordan River	Lat 45°01'40", long 84°57'58", in SW1/4 NW1/4 sec.06, T.30 N., R.05 W., Antrim County, at Jordan River Rd., 3.7 miles north of Alba, MI.	---	03-25-46	5.95
					02-14-57	5.83
04127755	Six Tile Creek	Jordan River	Lat 45°01'29", long 84°58'00", in NW1/4 SW1/4 sec.06, T.30 N., R.05 W., Antrim County, at Jordan River Rd., 3.5 miles north of Alba, MI.	---	03-20-44	8.11
					03-25-46	11.2
					02-14-57	9.02
04127760	Two Tile Creek	Jordan River	Lat 45°01'16", long 84°58'05", in SW1/4 SW1/4 sec.06, T.30 N., R.05 W., Antrim County, at Jordan River Rd., 3.2 miles north of Alba, MI.	---	02-14-57	0.17

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04127770	Jordan River	Lake Charlevoix	Lat 45°00'51", long 85°01'44", in NE1/4 NE1/4 sec.09, T.30 N., R.06 W., Antrim County, at Pinney Bridge, 4.0 miles northwest of Alba, MI.	29.6	08-12-68	103
					06-23-71	121
					04-12-77	134
					05-10-77	123
					06-07-77	118
					10-04-77	111
					11-01-77	114
					02-06-78	106
					08-05-83	123
04127780	Jordan River	Lake Charlevoix	Lat 45°02'01", long 85°03'49", in SE1/4 SE1/4 sec.32, T.31 N., R.06 W., Antrim County, at highway near public fishing site, 6.1 miles northwest of Alba, MI.	33.4	02-15-68	151
					03-18-68	167
					04-18-68	150
					05-13-68	144
					06-10-68	146
					07-08-68	142
					08-12-68	144
					09-16-68	141
					10-15-68	135
					11-11-68	140
					12-16-68	125
					01-15-69	144
					02-11-69	152
					03-19-69	155
					04-17-69	152
					05-15-69	142
					06-12-69	301
04127790	Jordan River	Lake Charlevoix	Lat 45°03'37", long 85°04'08", in NW1/4 NE1/4 sec.29, T.31 N., R.06 W., Antrim County, at Chestonia Bridge, 7.2 miles southeast of East Jordan, MI.	50.9	08-12-68	144
					06-23-71	166
04127800	Jordan River	Lake Charlevoix	Lat 45°06'09", long 85°05'53", in NW1/4 NW1/4 sec.07, T.31 N., R.06 W., Antrim County, 600 feet downstream of Webster Bridge, 4.2 miles south of East Jordan, MI.	67.9	11-19-59	182
					01-26-60	176
					04-29-60	192
					02-15-61	169
					07-12-61	153
					10-12-61	175
					01-17-62	171
					04-18-62	194
					07-18-62	149
					10-19-62	154
					01-28-63	127
					04-08-63	199
					05-08-63	703
					07-17-63	204
					10-16-63	153
					01-15-64	198
					04-14-64	208
					07-30-64	150
					10-07-64	147
					01-20-65	172
					04-14065	263
					07-14-65	159
					10-07-65	162
					01-13-66	188
					04-19-66	193
					07-13-66	141
04127805	Jordon River	Lake Charlevoix	Lat 45°07'58", long 85°07'28", in NE1/4 NE1/4 sec.35, T.32 N., R.07 W., Charlevoix County, at Rogers Bridge, 1.5 miles south of East Jordan, MI.	---	03-02-77	183
					04-12-77	253
					05-10-77	185
					06-07-77	174
					07-06-77	179
					08-02-77	239
					09-06-77	204
					10-04-77	179
					11-01-77	179
					12-13-77	193
					01-04-78	187
04127820	Deer Creek	Jordan River	Lat 45°09'18", long 84°58'53", in SE1/4 NE1/4 sec.24, T.32 N., R.06 W., Charlevoix County, at County Road 626, 3.0 miles west of Boyne Falls, MI.	6.00	06-03-58	2.15
					07-10-63	1.50
04127830	Deer Creek	Jordan River	Lat 45°08'08", long 85°07'09", in SW1/4 SW1/4 sec.25, T.32 N., R.07 W., Charlevoix County, at State Hwy. M-32, 1.0 mile south of East Jordan, MI.	---	03-02-77	48.6
					04-12-77	104
					05-10-77	48.0
					06-07-77	40.8

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04127835	Brown Creek	Jordan River	Lat 45°09'10", long 85°07'16", in NE1/4 SE1/4 sec.23, T.32 N., R.07 W., Charlevoix County, at State Hwy. M-32, at East Jordan, MI.	---	03-01-77	2.24
					04-11-77	5.19
					05-10-77	2.50
					06-06-77	2.70
					07-05-77	2.38
					08-01-77	2.17
					09-06-77	6.38
					10-04-77	2.32
					11-01-77	3.03
					12-14-77	2.85
					01-04-78	2.46
					02-07-78	1.87
04127838	Monroe Creek	Lake Charlevoix	Lat 45°12'20", long 85°12'24", in NE1/4 NE1/4 sec.06, T.32 N., R.07 W., Charlevoix County, at Flag Rd., 5.3 miles northwest of East Jordan, MI.	---	02-03-72	3.41
04127840	Monroe Creek	Lake Charlevoix	Lat 45°11'25", long 85°11'09", in SE1/4 SE1/4 sec.05, T.32 N., R.07 W., Charlevoix County, at Metz Rd., 3.8 miles northwest of East Jordan, MI.	---	02-03-72	6.66
04127842	Monroe Creek	Lake Charlevoix	Lat 45°10'44", long 85°09'51", in SE1/4 SE1/4 sec.09, T.32 N., R.07 W., Charlevoix County, at State Hwy. M-66, 2.5 miles northwest of East Jordan, MI.	9.73	01-16-73	9.83
					03-02-77	7.55
					04-11-77	41.3
					05-10-77	7.93
					06-07-77	5.95
					07-06-77	4.17
					09-07-77	20.1
					10-05-77	12.9
					01-04-78	12.3
04127850	Boyne River	Lake Charlevoix	Lat 45°11'48", long 84°57'26", in NW1/4 SW1/4 sec.05, T.32 N., R.05 W., Charlevoix County, at Dam Rd., 2.8 miles southeast of Boyne City, MI.	65.0	07-31-73	105
					12-13-73	88.1
					01-16-74	82.1
					02-28-74	85.7
					03-27-74	87.8
					04-16-74	158
					06-14-74	22.6
					07-08-74	84.9
					07-18-74	82.9
					08-20-74	77.9
					09-03-74	81.4
					10-09-74	90.7
					11-14-74	94.8
					12-17-74	92.3
					01-16-75	93.4
					02-18-75	88.4
					03-24-75	119
					04-09-75	89.2
					07-15-75	157
					05-04-76	119
					07-14-76	76.3
					03-01-77	83.5
					04-11-77	156
					05-10-77	84.0
					06-06-77	108
					10-03-77	78.1
					11-01-77	85.1
					12-13-77	90.2
					01-04-78	91.6
					02-06-78	74.6
					04-11-78	229
					06-21-78	76.5
					07-24-78	84.4
					08-21-78	75.3
04127853	Boyne River	Lake Charlevoix	Lat 45°12'51", long 85°00'47", in SE1/4 NW1/4 sec.35, T.33 N., R.06 W., Charlevoix County, at North East St., at Boyne City, MI.	69.9	01-16-73	112
04127856	Porter Creek	Lake Charlevoix	Lat 45°13'06", long 85°04'22", in NW1/4 sec.32, T.33 N., R.06 W., Charlevoix County, at county road, at Advance, MI.	17.4	01-16-73	17.2
					03-01-77	21.8
					04-11-77	50.4
					05-10-77	13.0
					06-06-77	16.9
					07-05-77	9.26
					09-06-77	35.9
					10-03-77	16.0
					11-01-77	15.6
					12-13-77	17.4
					01-04-78	17.4
					02-07-78	15.3

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04127859	Horton Creek	Lake Charlevoix	Lat 45°17'19", long 85°05'11", in NW1/4 NE1/4 sec.06, T.33 N., R.06 W., Charlevoix County, at county road, 0.5 miles north of Horton Bay, MI.	11.8	01-16-73	17.5
					03-01-77	23.4
					04-11-77	30.6
					05-10-77	17.6
					06-06-77	19.5
					10-04-77	18.3
04127862	Loeb Creek	Lake Charlevoix	Lat 45°16'48", long 85°13'56", in SE1/4 SW1/4 sec.01, T.33 N., R.08 W., Charlevoix County, at State Hwy. M-66, 2.4 miles south of Charlevoix, MI.	5.69	01-16-73	5.34
					03-02-77	3.61
					04-11-77	21.7
					05-10-77	3.33
					06-07-77	0.67
					07-06-77	0.23
					09-07-77	7.79
04127865	Strover Creek	Lake Charlevoix	Lat 45°18'02", long 85°14'59", in NW1/4 SE1/4 sec.35, T.34 N., R.08 W., Charlevoix County, 100 feet upstream of mouth, 1.0 mile south of Charlevoix, MI.	---	06-07-77	1.74
					07-06-77	1.04
					08-11-77	2.33
					09-07-77	7.27
					10-05-77	3.22
					11-02-77	4.02
					12-13-77	4.00
					01-04-78	4.54
					02-07-78	2.75
04127870	Bear River	Lake Michigan	Lat 45°22'27", long 84°57'38", in NW1/4 NE1/4 sec.06, T.34 N., R.05 W., Emmet County, at U.S. Hwy. 31, at Petoskey, MI.	---	04-04-77	375
					06-06-77	57.0
04127880	Carp River	Lake Michigan	Lat 45°41'10", long 84°46'52", in NW1/4 SE1/4 sec.15, T.38 N., R.04 W., Emmet County, at outlet of Paradise Lake, at Carp Lake, MI.	26.3	11-30-44	13.6
					10-17-45	2.74
					01-24-46	22.6
					04-18-46	26.4
					06-27-46	24.3
					09-25-46	1.32
					12-16-46	14.3
					04-28-47	76.6
					07-23-47	4.33
					10-14-47	0.04
					02-17-48	4.55
					05-26-48	16.2
					07-27-48	0.02
					10-12-48	0.21
					12-14-48	11.8
					04-14-49	34.1
					07-15-49	1.23
					10-24-49	0.07
					12-13-49	0.16
					04-11-50	30.5
					07-27-50	0.11
					10-23-50	2.75
					01-16-51	11.5
					04-12-51	89.3
					07-18-51	20.8
					10-13-51	31.4
					01-16-52	27.6
					04-18-52	117
					07-16-52	6.43
					10-15-52	0.42
					01-22-53	30.6
					04-20-53	45.9
					07-16-53	9.46
					10-16-53	1.18
					01-15-54	9.50
					04-14-54	57.3
					07-21-54	8.37
					10-13-54	13.0
					01-19-55	14.8
					04-20-55	112
					07-20-55	0.00
					10-19-55	0.00
					01-17-56	7.61
					04-16-56	56.6
					07-17-56	12.5
					10-18-56	3.25
					01-15-57	12.6
					04-10-57	14.3
					07-16-57	39.3
					10-18-57	5.37
					01-10-58	14.5
					04-03-58	18.4
					07-08-58	7.16
					10-08-58	1.93
					01-08-59	15.9
					05-06-59	255
					05-11-59	199
					05-13-59	164

Table 3.--Discharge measurements of Lower Peninsula streams tributary to Lake Michigan--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04127883	French Farm Creek	Lake Michigan	Lat 45°44'43", long 84°48'01", in NW1/4 SE1/4 sec.28, T.39 N., R.04 W., Emmet County, 4,000 feet upstream of Wilderness Park Rd., 3.6 miles north of Carp Lake, MI.	---	09-27-79	2.53

Table 4.--Discharge measurements of Upper Peninsula streams tributary to St. Marys River

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04127886	Charlotte River	St. Marys River	Lat 46°19'48", long 84°14'34", in NE1/4 NE1/4 sec.01, T.45 N., R.01 E., Chippewa County, 1.4 miles above mouth, 1.7 miles east of McCarron, MI.	55.0	08-25-76	1.06
R 04127889	Little Munuscong Lake	Munuscong Lake	Lat 46°13'43", long 84°17'22", in NE1/4 sec.10, T.44 N., R.01 E., Chippewa County, at county road, 4.0 miles south of Barbeau, MI.	50.0	09-19-49 08-25-76	0.00 7.35
R 04127894	Munuscong River	Munuscong Lake	Lat 46°11'13", long 84°19'37", in NW1/4 NE1/4 sec.29, T.44 N., R.21 E., Chippewa County, 0.2 mile west of Sterlingville, MI.	---	08-06-63	15.7
R 04127897	Munuscong River	Munuscong Lake	Lat 46°11'30", long 84°19'17", in NW1/4 SW1/4 sec.21, T.44 N., R.01 E., Chippewa County, at county road, 0.2 mile north of Sterlingville, MI.	251	09-19-49 11-17-49 08-26-7	18.8 77.4 15.9
04127898	Munuscong River	Munuscong Lake	Lat 46°12'52", long 84°18'03", in NE1/4 NE1/4 sec.16, T.44 N., R.01 E., Chippewa County, at Hay Lake Rd., 6.0 miles south of Barbeau, MI.	---	09-19-49	0.64

Table 5.--Discharge measurements of Upper Peninsula streams tributary to Lake Huron

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04127900	Caribou Creek	Lake Huron	Lat 45°59'05", long 83°58'56", in SE1/4 SE1/4 sec.31, T.42 N., R.04 E., Chippewa County, at South Rd., 4.7 miles west of De Tour Village, MI.	4.00	07-11-67 10-31-67 01-15-68 05-15-68 07-24-68 10-21-68 01-15-69 04-29-69 07-23-69 10-15-69 01-20-70 04-23-70 07-14-70 10-22-70 05-19-71 05-09-72 09-06-72 08-12-75	0.44 1.10 10.6 3.41 10.0 2.15 10.2 9.98 2.63 0.39 3.48 28.3 0.10 3.00 6.73 20.6 0.00 0.03
R 04127905	Trout Brook	Biscuit Creek	Lat 46°11'40", long 84°46'50", in NE1/4 sec.22, T.44 N., R.04 W., Chippewa County, at Trout Brook Pond outlet, 10.0 miles southwest of Rudyard, MI.	---	08-23-44	4.66
R 04127910	North Branch Pine River	Pine River	Lat 46°13'50", long 84°36'18", in SE1/4 SW1/4 sec.06, T.44 N., R.02 W., Chippewa County, at State Hwy. M-48, at Rudyard, MI.	70.0	07-25-62 08-06-63 08-25-63 08-25-76	15.8 15.1 31.6 16.2
04127918	Pine River	St. Martin Bay	Lat 46°11'09", long 84°35'52", in NW1/4 NE1/4 sec.30, T.44 N., R.02 W., Chippewa County, 3.2 miles south of Rudyard, MI.	184	08-06-63	50.3

Table 5.--Discharge measurements of Upper Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
R 04127920	Silver Creek	Pine River	Lat 46°07'24", long 84°36'02", in NE1/4 sec.18, T.43 N., R.02 W., Mackinac County, 7.0 miles south of Rudyard, MI.	---	08-23-44	2.33
R 04127925	Pine River	St. Martin Bay	Lat 46°03'25", long 84°39'25", in NE1/4 sec.10, T.42 N., R.03 W., Mackinac County, at State Hwy. M-134, near Charles, MI.	---	09-08-49	22.6
					11-16-49	317
04127930	Carp River	St. Martin Bay	Lat 46°10'14", long 85°01'37", in NW1/4 NW1/4 sec.35, T.44 N., R.06 W., Chippewa County, at Carp Lake outlet, 1.5 miles south of Trout Lake, MI.	15.0	08-18-59	10.4
					10-14-59	32.2
					03-24-60	90.2
					07-21-60	21.5
					10-11-60	18.2
					05-11-61	39.6
					08-10-61	19.7
					10-18-61	13.8
					05-15-62	55.6
					07-16-62	10.5
					10-10-62	14.4
					04-25-63	48.3
					07-09-63	10.0
					10-08-63	8.95
					05-13-64	57.8
					07-07-64	13.0
					11-02-64	12.9
					06-17-65	22.1
					10-11-65	48.1
					01-26-66	26.4
					06-01-66	21.3
04127940	North Fork Carp River	Carp River	Lat 46°06'09", long 84°51'02", in SE1/4 SW1/4 sec.19, T.43 N., R.04 W., Mackinac County, at Kenneth Rd., 10.0 miles northwest of Fibre, MI.	25.0	10-31-67	18.6
					01-15-68	10.9
					05-15-68	50.4
					07-24-68	11.5
					10-21-68	14.8
					04-30-69	112
					07-24-69	11.9
					10-16-69	34.2
					01-20-70	7.03
					04-22-70	131
					07-13-70	8.90
					12-01-70	62.7
					05-19-71	65.3
R 04127945	Carp River	St. Martin Bay	Lat 46°03'24", long 84°47'33", in SW1/4 SW1/4 sec.03, T.42 N., R.04 W., Mackinac County, at East Lake Rd., near Greene, MI.	---	09-09-49	48.6
					11-16-49	161
					08-06-63	34.7
04127950	Carp River	St. Martin Bay	Lat 46°01'06", long 84°43'06", in NE1/4 SE1/4 sec.19, T.42 N., R.03 W., Mackinac County, at Mackinac Trail, near Charles, MI.	74.0	09-08-49	49.9
					11-16-49	193
					08-26-76	42.0

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
R 04127955	Mill Creek	Lake Huron	Lat 45°42'57", long 84°41'12", in SW1/4 NW1/4 sec.04, T.38 N., R.03 W., Cheboygan County, at Potter Rd., 5.0 miles southeast of Mackinaw City, MI.	---	07-21-54	0.01
					08-18-54	0.24
					09-15-54	0.00
					10-13-54	0.34
					11-11-54	1.47
					12-14-54	0.77
					01-19-55	0.76
					03-15-55	6.27
					04-20-55	10.7
					05-18-55	0.46
					06-14-55	0.15
					07-20-55	0.00
					08-16-55	0.00
					10-19-55	0.02
					04-10-57	5.60
					05-15-57	13.0
					06-11-57	0.61
					07-16-57	2.79
					04-12-84	12.5

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
R 04127957	Little Black River	Lake Huron	Lat 45°39'32", long 84°30'28", in SE1/4 NE1/4 sec.26, T.38 N., R.02 W., Cheboygan County, at Slade Rd., 1.0 mile northwest of Cheboygan, MI.	10.0	02-15-55	4.00
					03-15-55	46.8
					04-19-55	47.6
					05-18-55	2.89
					06-14-55	2.35
					07-20-55	0.00
					08-16-55	0.00
					09-14-55	0.00
					10-19-55	0.14
					11-10-55	1.27
					12-13-55	3.58
					01-17-56	3.89
					02-14-56	4.37
					03-13-56	3.78
					04-09-56	87.4
					04-16-56	54.0
					04-19-56	33.6
					05-15-56	21.7
					06-14-56	0.36
					07-17-56	5.06
					08-14-56	0.36
					09-18-56	0.77
					10-17-56	0.57
					11-13-56	1.18
					12-18-56	4.98
					01-15-57	3.91
					02-12-57	1.77
					03-12-57	13.6
					04-09-57	38.2
					05-15-57	124
					06-11-57	5.44
					07-16-57	6.48
					08-22-57	0.00
					09-17-57	1.04
					10-17-57	2.20
					11-06-57	4.04
					12-04-57	13.3
					01-09-58	6.93
					02-05-58	6.61
					03-05-58	7.63
					04-03-58	27.4
					05-06-58	16.6
					06-05-58	1.48
					07-08-58	2.72
					08-06-58	0.00
					09-04-58	0.14
					10-08-58	0.54
					11-05-58	1.46
					12-09-58	10.6
					01-07-59	4.47
					02-11-59	2.54
					04-15-59	137
					05-05-59	204
					06-09-59	1.74
					07-08-59	0.52
					08-06-59	0.00
04127961	Pickerel Lake Outlet	Crooked Lake	Lat 45°24'47", long 84°47'33", in NE1/4 SE1/4 sec.21, T.35 N., R.04 W., Emmet County, 300 feet upstream of Crooked Lake, 3.5 miles east of Conway, MI.	---	09-22-82	45.9
04127963	Minnehaha Creek	Crooked Lake	Lat 45°23'52", long 84°48'57", in NE1/4 SW1/4 sec.29, T.35 N., R.04 W., Emmet County, at Channel Rd., 2.5 miles southeast of Conway, MI.	---	05-20-82	39.0
					09-21-82	35.7
04127965	Round Lake Outlet	Crooked Lake	Lat 45°24'30", long 84°51'57", in NE1/4 SW1/4 sec.24, T.35 N., R.05 W., Emmet County, at U.S. Hwy. 31, 0.5 mile south of Conway, MI.	---	05-20-82	5.95
					09-21-82	5.01
04127967	Unnamed tributary	Crooked Lake	Lat 45°25'17", long 84°51'49", in SW1/4 SE1/4 sec.13, T.35 N., R.05 W., Emmet County, at U.S. Hwy. 31, 0.5 mile east of Conway, MI.	---	05-20-82	0.53
04127969	Unnamed tributary	Crooked Lake	Lat 45°25'28", long 84°51'15", in SE1/4 SE1/4 sec.13, T.35 N., R.05 W., Emmet County, at U.S. Hwy. 31, 1.0 mile east of Conway, MI.	---	05-20-82	2.52

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04127971	Oden Hatchery Outfall	Crooked Lake	Lat 45°25'26", long 84°50'40", in SE1/4 SW1/4 sec.18, T.35 N., R.04 W., Emmet County, at U.S. Hwy. 31, at State Fish Hatchery, 0.9 mile west of Oden, MI.	---	05-20-82	9.70
					09-21-82	8.91
04127973	Oden Hatchery Overflow	Crooked Lake	Lat 45°25'28", long 84°50'40", in SE1/4 SW1/4 sec.18, T.35 N., R.04 W., Emmet County, at U.S. Hwy. 31, at State Fish Hatchery, 0.9 mile west of Oden, MI.	---	09-21-82	0.70
04127975	Crooked River	Burt Lake	Lat 45°26'36", long 84°47'00", in SE1/4 NW1/4 sec.10, T.35 N., R.04 W., Emmet County, at State Hwy. M-68, at Alanson, MI.	---	05-20-82	96.0
					09-21-82	141
04127977	East Branch Maple River	Maple River	Lat 45°34'22", long 84°44'43", in SE1/4 NW1/4 sec.25, T.37 N., R.04 W., Emmet County, on Douglas Lake Rd., 4.5 miles northeast of Pellston, MI.	26.5	06-12-42	36.3
					07-21-42	17.0
					08-20-42	4.56
					09-30-42	5.61
					11-20-42	22.0
					12-15-42	17.7
					01-19-43	17.5
					05-10-43	75.4
					07-12-43	47.2
					09-11-43	12.9
					11-30-43	7.00
					10-17-45	1.66
					04-18-46	42.1
					06-27-46	32.5
					09-25-46	6.78
					12-16-46	2.00
					04-29-47	43.9
					07-23-47	19.7
					10-13-47	1.67
					02-17-48	3.56
					05-26-48	39.9
					07-27-48	9.19
					10-12-48	0.68
					12-14-48	1.03
					04-19-49	27.2
					07-15-49	7.40
					10-24-49	0.51
					12-13-49	0.61
					04-11-50	2.82
					07-27-50	10.4
					10-23-50	0.89
					01-16-51	0.68
					04-17-51	65.7
					07-18-51	16.8
					10-23-51	12.3
					01-16-52	43.5
					04-18-52	150
					07-16-52	19.4
					10-15-52	0.95
					01-22-53	10.6
					04-20-53	75.5
					07-16-53	19.8
					08-31-53	5.24
					10-16-53	1.03
					01-15-54	1.45
					04-14-54	25.4
					07-21-54	20.3
					10-13-54	3.82
					01-19-55	13.3
					04-20-55	39.6
					07-20-55	4.39
					10-19-55	0.37
					01-17-56	0.54
					04-16-56	8.38
					04-17-56	8.39
					10-18-56	0.79
					01-15-57	1.34
					04-10-57	6.09
					07-16-57	19.2
					10-18-57	2.24
					01-10-58	27.9
					07-08-58	7.06
					10-02-58	0.89
					01-08-59	0.61

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04127979	Maple River	Burt Lake	Lat 45°29'22", long 84°44'31", in SE1/4 SW1/4 sec.24, T.36 N., R.04 W., Emmet County, on Brutus Rd., 2.0 miles east of Brutus, MI.	---	05-25-42	146
					06-16-42	136
					07-21-42	105
					08-20-42	110
					09-30-42	106
					11-20-42	140
					12-15-42	109
					04-03-43	274
					05-11-43	162
					07-12-43	160
					09-11-43	126
R 04127980	Sturgeon River	Burt Lake	Lat 45°04'19", long 84°38'27", in SW1/4 SE1/4 sec.14, T.31 N., R.03 W., Otsego County, at Poquette Rd., 5.2 miles south of Vanderbilt, MI.	8.50	07-18-66	21.0
					06-24-71	26.3
					07-30-71	28.2
					10-04-71	28.8
R 04127982	Sturgeon River	Burt Lake	Lat 45°06'46", long 84°35'50", in SW1/4 SE1/4 sec.31, T.32 N., R.02 W., Otsego County, at Whitmarsh Rd., 3.9 miles southeast of Vanderbilt, MI.	50.0	07-18-66	32.1
					06-24-71	43.9
					07-30-71	42.2
					10-04-71	44.9
R 04127984	Sturgeon River	Burt Lake	Lat 45°08'46", long 84°33'41", in NE1/4 SW1/4 sec.21, T.32 N., R.02 W., Otsego County, at Sturgeon Valley Rd., 5.0 miles east of Vanderbilt, MI.	65.0	07-18-66	38.1
					06-24-71	51.0
					07-30-71	48.8
					10-04-71	52.2
04127986	Sturgeon River	Burt Lake	Lat 45°13'02", long 84°34'11", in SW1/4 SW1/4 sec.28, T.33 N., R.02 W., Cheboygan County, at Molineau Rd., 4.2 miles southeast of Wolverine, MI.	80.0	10-04-71	91.2
R 04127987	Sturgeon River	Burt Lake	Lat 45°13'21", long 84°35'18", in NW1/4 SW1/4 sec.29, T.33 N., R.02 W., Cheboygan County, at Trowbridge Rd., 3.6 miles south of Wolverine, MI.	105	07-18-66	73.6
R 04127988	Sturgeon River	Burt Lake	Lat 45°13'55", long 84°35'20", in SW1/4 SW1/4 sec.20, T.33 N., R.02 W., Cheboygan County, at Trowbridge Rd., 3.0 miles south of Wolverine, MI.	105	06-24-71	114
					07-30-71	99.2
R 04127990	Sturgeon River	Burt Lake	Lat 45°16'17", long 84°36'02", in NE1/4 NW1/4 sec.07, T.33 N., R.02 W., Cheboygan County, 200 feet upstream of West Branch Sturgeon River, at Wolverine, MI.	125	07-18-66	88.9
					06-24-71	118
					07-30-71	122
					10-04-77	120
R 04127991	West Branch Sturgeon River	Sturgeon River	Lat 45°13'42", long 84°41'28", in NW1/4 NW1/4 sec.28, T.33 N., R.03 W., Cheboygan County, at West Sturgeon Rd., 5.5 miles southwest of Wolverine, MI.	49.7	08-01-58	26.8
					08-04-58	27.2
R 04127992	West Branch Sturgeon River	Sturgeon River	Lat 45°14'55", long 84°40'36", in NE1/4 SE1/4 sec.16, T.33 N., R.03 W., Cheboygan County, 3.8 miles southwest of Wolverine, MI.	56.8	07-23-54	45.2
					08-01-58	38.0
					08-04-58	37.1
					09-10-74	58.4
					10-22-74	60.9
04127993	Marl Creek	West Branch Sturgeon River	Lat 45°15'31", long 84°41'27", in NW1/4 NW1/4 sec.16, T.33 N., R.03 W., Cheboygan County, at Marl Creek Rd., 4.3 miles southwest of Wolverine, MI.	---	11-30-44	26.4
					10-17-45	26.5
					01-30-46	47.3
					04-24-46	28.2
					06-27-46	24.3
					09-26-46	12.7
					12-16-46	7.20
					04-29-47	46.4
					07-23-47	21.4
					10-13-47	10.6
					01-28-48	25.8
					05-27-48	29.6
					07-27-48	13.5
					10-12-48	5.11
					12-15-48	15.4
					04-21-49	23.9
					07-19-49	14.2
					10-17-49	6.66
					12-14-49	12.9
					04-11-50	73.6
					07-27-50	13.0
					10-13-50	27.5

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
R 04127994	West Branch Sturgeon River	Sturgeon River	Lat 45°14'56", long 84°40'36", in NE1/4 SW1/4 sec.14, T.33 N., R.03 W., Cheboygan County, at old U.S. 27, 2.7 miles southwest of Wolverine, MI.	60.0	08-01-58	47.5
R 04127995	West Branch Sturgeon River	Sturgeon River	Lat 45°15'19", long 84°37'58", in NE1/4 NE1/4 sec.14, T.33 N., R.03 W., Cheboygan County, at old U.S. 27, 1.9 miles southwest of Wolverine, MI.	70.0	06-24-71 07-30-71 10-05-71	72.5 71.3 69.4
R 04127996	West Branch Sturgeon River	Sturgeon River	Lat 45°16'19", long 84°36'04", in NE1/4 NW1/4 sec.07, T.33 N., R.02 W., Cheboygan County, 15 feet upstream of mouth, at Wolverine, MI.	80.0	07-18-66 06-24-71 10-05-71	54.4 71.8 74.8
04127998	Sturgeon River	Burt Lake	Lat 45°17'27", long 84°36'20", in SW1/4 SW1/4 sec.31, T.34 N., R.02 W., Cheboygan County, at Scott Rd., 1.2 miles north of Wolverine, MI.	165	10-05-71	185
R 04128002	Sturgeon River	Burt Lake	Lat 45°19'00", long 84°37'23", in NE1/4 NW1/4 sec.25, T.34 N., R.03 W., Cheboygan County, at Rondo Rd., 3.2 miles north of Wolverine, MI.	200	07-18-66	160
04128005	Sturgeon River	Burt Lake	Lat 45°20'19", long 84°37'38", in SW1/4 NW1/4 sec.13, T.34 N., R.03 W., Cheboygan County, at White Rd., 4.7 miles north of Wolverine, MI.	205	10-05-71	201
R 04128010	Sturgeon River	Burt Lake	Lat 45°22'20", long 84°37'27", in NW1/4 NW1/4 sec.01, T.34 N., R.03 W., Cheboygan County, at White Rd., 2.8 miles south of Indian River, MI.	210	04-16-45 07-18-66 07-30-71 08-21-71 10-05-71	320 171 239 229 214
R 04128020	Sturgeon River	Burt Lake	Lat 45°24'09", long 84°37'05", in NW1/4 NE1/4 sec.25, T.34 N., R.03 W., Cheboygan County, at old U.S. 27, at Indian River, MI.	220	07-18-66	163
R 04128850	Pigeon River	Mullett Lake	Lat 45°02'56", long 84°34'19", in NE1/4 SE1/4 sec.29, T.31 N., R.02 W., Otsego County, at county road, 0.5 mile north of Sparr, MI.	14.0	07-18-66	17.3
04128980	Pigeon River	Mullett Lake	Lat 45°07'42", long 84°30'24", in SW1/4 SW1/4 sec.25, T.32 N., R.02 W., Otsego County, at Old Vanderbilt Rd., 7.8 miles east of Vanderbilt, MI.	55.0	07-18-66 06-29-71 08-18-71 10-07-71	32.4 55.5 52.6 60.4
04128987	Pigeon River	Mullett Lake	Lat 45°08'51", long 84°28'22", in NE1/4 SE1/4 sec.19, T.32 N., R.01 W., Otsego County, 200 feet below Lansing Club Dam, 9.2 miles east of Vanderbilt, MI.	59.0	10-07-71	66.4
04128990	Pigeon River	Mullett Lake	Lat 45°09'24", long 84°28'00", in SW1/4 SW1/4 sec.17, T.32 N., R.01 W., Otsego County, at Sturgeon Valley Rd., 1.0 mile below Lansing Club Dam, 9.7 miles east of Vanderbilt, MI.	60.0	07-18-66 06-29-71 07-30-71 08-18-71 10-07-71	41.8 40.5 62.7 60.0 74.2
R 04128995	Pigeon River	Mullett Lake	Lat 45°10'00", long 84°27'34", in SE1/4 NW1/4 sec.17, T.32 N., R.01 W., Otsego County, 2.1 miles below Lansing Club Dam, 10.1 miles east of Vanderbilt, MI.	62.0	06-29-71 08-18-71	42.8 62.2
04129005	Pigeon River	Mullett Lake	Lat 45°10'40", long 84°25'32", in NW1/4 SW1/4 sec.10, T.32 N., R.01 W., Otsego County, at State Forest Campground, 11.9 miles east of Vanderbilt, MI.	65.0	06-29-71 08-18-71 10-07-71	45.2 65.8 74.6
04129020	Pigeon River	Mullett Lake	Lat 45°11'55", long 84°26'06", in NW1/4 NE1/4 sec.04, T.32 N., R.01 W., Otsego County, 9.6 miles southeast of Wolverine, MI.	70.0	06-29-71 08-18-71	50.7 72.1

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
R 04129025	Pigeon River	Mullett Lake	Lat 45°13'27", long 84°25'44", in NE1/4 NE1/4 sec.28, T.33 N., R.01 W., Cheboygan County, at Tin Bridge, 9.3 miles southeast of Wolverine, MI.	75.0	07-18-66	54.5
					06-29-71	53.9
					08-18-71	69.8
					10-07-71	85.7
04129030	Cornwall Creek	Pigeon River	Lat 45°13'18", long 84°24'43", in NE1/4 NE1/4 sec.27, T.33 N., R.01 W., Cheboygan County, at Clark Bridge Rd., 0.8 miles above mouth, 9.5 miles southeast of Wolverine, MI.	4.50	02-04-65	1.03
					02-15-65	1.48
					03-15-65	1.43
					04-12-65	17.3
					05-17-65	3.23
					06-09-65	1.07
R 04129045	Pigeon River	Mullett Lake	Lat 45°16'20", long 84°27'35", in SE1/4 SW1/4 sec.05, T.33 N., R.01 W., Cheboygan County, at Red Bridge, 7.1 miles east of Wolverine, MI.	90.0	07-18-66	57.8
					06-29-71	62.7
					07-30-71	84.3
					08-18-71	72.7
					10-06-71	84.7
R 04129435	Little Pigeon River	Pigeon River	Lat 45°16'34", long 84°29'55", in NE1/4 SW1/4 sec.01, T.33 N., R.02 W., Cheboygan County, at Webb Rd., 5.2 miles east of Wolverine, MI.	18.0	07-18-66	13.4
					06-29-71	19.9
					07-30-71	20.6
					08-18-71	16.4
					10-06-71	16.9
04129450	Pigeon River	Mullett Lake	Lat 45°19'50", long 84°29'42", in NW1/4 NE1/4 sec.24, T.34 N., R.02 W., Cheboygan County, at Pigeon River Rd., 3.0 miles south of Afton, MI.	125	07-18-66	66.9
					06-29-71	98.8
					08-18-71	104
					10-06-71	114
04129510	Pigeon River	Mullett Lake	Lat 45°24'09", long 84°32'02", in NW1/4 NE1/4 sec.27, T.35 N., R.02 W., Cheboygan County, 2.8 miles northwest of Afton, MI.	140	07-18-66	72.7
					06-29-71	133
					08-18-71	107
04130030	Black River	Black Lake	Lat 45°03'14", long 84°25'45", in NW1/4 NW1/4 sec.27, T.31 N., R.01 W., Otsego County, at Gibbs Rd., 13.1 miles east of Vanderbilt, MI.	12.0	07-18-66	4.18
04130040	Black River	Black Lake	Lat 45°07'06", long 84°27'00", in NE1/4 SE1/4 sec.32, T.32 N., R.01 W., Otsego County, at public fishing site, 10.7 miles east of Vanderbilt, MI.	45.0	07-18-66	17.2
					08-18-71	34.3
04130045	Black River	Black Lake	Lat 45°07'37", long 84°24'28", in NW1/4 NW1/4 sec.35, T.32 N., R.01 W., Otsego County, at Tin Shanty Bridge, 12.5 miles east of Vanderbilt, MI.	50.0	07-18-66	16.5
					07-30-71	37.6
					08-18-71	33.4
					10-08-71	38.5
04130047	Black River	Black Lake	Lat 45°07'35", long 84°23'28", in NE1/4 NE1/4 sec.35, T.32 N., R.01 W., Otsego County, 400 feet downstream of Beaver Dam Club, 13.4 miles east of Vanderbilt, MI.	52.0	08-18-71	34.0
					10-08-71	41.6
04130065	Black River	Black Lake	Lat 45°08'29", long 84°20'56", in NW1/4 NW1/4 sec.29, T.32 N., R.01 E., Montmorency County, at unnamed trail, 13.7 miles northwest of Atlanta, MI.	65.0	11-12-59	73.6
					11-25-59	85.6
					12-14-59	62.5
04130070	Black River	Black Lake	Lat 45°09'11", long 84°19'24", in NW1/4 NW1/4 sec.21, T.32 N., R.01 E., Montmorency County, at Main River Bridge, 14.0 miles south of Tower, MI.	80.0	07-18-66	30.1
					08-18-71	59.2
					10-08-71	66.4
04130200	East Branch Black River	Black River	Lat 45°09'10", long 84°17'48", in NW1/4 NE1/4 sec.22, T.32 N., R.01 E., Montmorency County, at Barber Bridge, 12.8 miles northwest of Atlanta, MI.	44.0	07-18-66	27.2
					05-24-67	49.9
					07-11-67	63.3
					08-14-67	43.0
					09-11-67	43.7
					11-15-67	60.8
					01-03-68	51.3
					04-02-68	67.7
					05-01-68	57.1
					07-09-68	41.4
					09-03-68	45.4
					10-02-68	47.7
					11-04-68	48.6
					12-02-68	50.6
					01-20-69	55.1
					07-15-69	35.2
					09-09-69	43.6

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04130210	Black River	Black Lake	Lat 45°13'27", long 84°19'52", in NE1/4 NE1/4 sec.29, T.33 N., R.01 E., Cheboygan County, at Clarke Bridge Rd., 9.2 miles south of Tower, MI.	150	07-18-66	71.7
04130220	Black River	Black Lake	Lat 45°15'47", long 84°16'00", in SW1/4 NW1/4 sec.12, T.33 N., R.01 E., Cheboygan County, at Black River Rd., 6.7 miles southeast of Tower, MI.	175	07-18-66	77.4
04130450	Black River	Black Lake	Lat 45°20'15", long 84°16'07", in NW1/4 NW1/4 sec.13, T.34 N., R.01 E., Cheboygan County, at Black River Rd., 2.0 miles southeast of Tower, MI.	290	07-18-66	103
04130600	Upper Tomahawk Lake Outlet	W Branch Upper Rainy River	Lat 45°11'00", long 84°04'30", in NE1/4 NW1/4 sec.09, T.32 N., R.03 E., Montmorency County, at Forest Rd., 0.2 mile above Rainy River Flooding, 10.3 miles south of Millersburg, MI.	---	07-26-82 11-02-82	0.32 0.56
04130605	West Branch Upper Rainy River	Rainy Lake	Lat 45°12'09", long 84°05'30", in SE1/4 SE1/4 sec.32, T.33 N., R.03 E., Presque Isle County, 0.5 mile below Rainy River Flooding, 9.3 miles south of Millersburg, MI.	---	07-27-82	1.09
04130615	West Branch Upper Rainy River	Rainy Lake	Lat 45°14'25", long 84°04'09", in NE1/4 NE1/4 sec.21, T.33 N., R.03 E., Presque Isle County, at South Shore Dr., 6.4 miles south of Millersburg, MI.	---	08-03-82 09-21-82 10-26-82 01-04-83 02-01-83	5.13 8.54 6.08 11.3 5.01
04130625	Healy Creek	W Branch Upper Rainy River	Lat 45°14'25", long 84°04'00", in NE1/4 NE1/4 sec.21, T.33 N., R.03 E., Presque Isle County, at South Shore Dr., 6.4 miles south of Millersburg, MI.	---	07-27-82 08-03-82 09-21-82 10-26-82 11-02-82 01-04-83 02-01-83	1.37 1.73 2.82 2.76 2.96 4.23 3.02
04130630	West Branch Upper Rainy River	Rainy Lake	Lat 45°14'41", long 84°03'56", in NE1/4 SE1/4 sec.16, T.33 N., R.03 E., Presque Isle County, 300 feet upstream of Rainy Lake, 6.0 miles south of Millersburg, MI.	---	07-27-82 11-02-82	2.59 5.70
04132150	Lake Nettie Outlet	Ocqueoc River	Lat 45°18'55", long 84°00'21", in SW1/4 SW1/4 sec.19, T.34 N., R.04 E., Presque Isle County, at County Road 638, 6.0 miles west of Hawks, MI.	40.0	06-04-58 07-11-63	8.88 11.7
04132160	Ocqueoc River	Lake Huron	Lat 45°28'50", long 84°06'41", in SE1/4 SE1/4 sec.19, T.36 N., R.03 E., Presque Isle County, at Ocqueoc Lake Rd., 5.1 miles north of Ocqueoc, MI.	---	09-13-73 10-10-73 11-19-73 12-12-73 02-13-74 03-06-74 03-27-74 04-09-74 04-23-74 05-07-74 07-11-74 10-10-74 02-20-75	86.0 104 132 135 108 320 115 296 326 200 166 91.2 68.4
04132165	Trout River	Lake Huron	Lat 45°25'04", long 83°51'47", in SW1/4 SW1/4 sec.17, T.35 N., R.05 E., Presque Isle County, at Sportsman Club, near end of Church Hwy., 2.2 miles west of Rogers City, MI.	---	02-06-75 03-20-75 04-08-75 07-08-75 09-16-75	6.47 10.5 12.9 3.30 6.84
04132170	Grand Lake Outlet	Lake Huron	Lat 45°20'27", long 83°33'51", in NE1/4 SE1/4 sec.15, T.34 N., R.07 E., Presque Isle County, at Old State Rd., 5.0 miles northwest of Presque Isle, MI.	34.3	12-13-44 10-22-45 01-09-46 04-09-46 06-18-46 09-10-46 12-03-46 05-06-47 08-05-47 10-02-47 12-03-47 05-11-48	20.4 4.78 49.9 83.6 19.4 0.15 0.10 183 7.92 0.25 0.48 98.1

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04132170	Grand Lake Outlet	Lake Huron	Continued		07-07-48	12.8
					09-27-48	0.00
					12-02-48	0.01
					04-06-49	47.7
					07-06-49	49.2
					10-28-49	0.17
					12-06-49	0.27
					04-06-50	70.0
					10-25-50	11.8
					01-11-51	56.0
					04-05-51	103
					07-25-51	2.58
					10-04-51	22.8
					01-08-52	57.5
					04-02-52	69.9
					07-08-52	14.0
					10-08-52	0.00
					01-06-53	0.45
					04-07-53	112
					07-07-53	57.4
					10-07-53	1.58
					01-05-54	30.6
					04-06-54	67.4
					07-07-54	45.3
					10-25-54	79.9
					01-03-55	55.5
					04-06-55	76.8
					07-06-55	15.4
					10-05-55	0.00
					01-03-56	0.00
					04-03-56	4.77
					07-02-56	5.26
					10-02-56	1.16
					01-01-57	44.1
					04-01-57	34.8
					04-02-57	30.8
					07-02-57	133
					10-02-57	1.92
					01-08-58	54.5
					04-02-58	38.5
					07-02-58	0.13
					10-02-58	0.02
					01-06-59	0.43
04132205	McCormick Lake Outlet	Thunder Bay River	Lat 44°57'40", long 84°14'35", in NW1/4 SE1/4 sec.30, T.30 N., R.02 E., Montmorency County, at trail off Camp 8 Rd., 6.0 miles southwest of Atlanta, MI.	---	09-05-45	28.3
					01-03-46	23.1
					03-28-46	27.3
					06-17-46	29.7
					07-08-46	24.3
					09-12-46	24.1
					12-02-46	19.0
					05-07-47	31.0
					08-06-47	19.5
					09-29-47	24.1
					12-01-47	21.8
					04-13-48	27.3
					07-13-48	16.8
					10-01-48	18.7
					12-03-48	19.2
					04-05-49	23.0
					07-07-49	17.5
					10-20-49	17.3
					12-07-49	18.4
					04-24-50	22.5
					07-21-50	16.7
					10-05-50	16.2
					01-29-51	17.9
					04-11-51	29.9
					07-25-51	16.4
					10-04-51	24.4
					01-28-52	23.2
					04-24-52	22.6
					07-07-52	16.9
					10-07-52	18.6
					12-22-52	22.1
					04-22-53	24.8
					07-06-53	22.3
					10-07-53	19.2
04132210	Thunder Bay River	Lake Huron	Lat 44°59'35", long 84°10'35", in NE1/4 SE1/4 sec.15, T.30 N., R.02 E., Montmorency County, below Lake Fifteen, 2.0 miles southwest of Atlanta, MI.	37.5	08-20-68	88.9
					05-28-69	40.7
					08-13-70	31.8
04132215	Thunder Bay River	Lake Huron	Lat 45°00'25", long 84°07'55", in NW1/4 SW1/4 sec.07, T.30 N., R.03 E., Montmorency County, above Haymeadow Creek, at Atlanta, MI.	40.8	08-20-68	85.8
					05-28-69	43.6
					08-13-70	28.4

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04132290	East Fish Lake Outlet	Fuller Creek	Lat 44°51'57", long 84°10'23", in SE1/4 NE1/4 sec.34, T.29 N., R.02 E., Montmorency County, at trail 0.5 mile east of Avery Lake Rd., 7.0 miles southeast of Lewiston, MI.	0.50	10-28-43	1.56
					04-06-44	1.50
					10-06-44	2.26
					03-29-45	1.55
					08-13-45	1.43
					10-04-45	1.22
					11-13-45	2.34
					12-04-45	1.45
					01-03-46	1.43
					02-05-46	1.37
					03-28-46	1.69
					06-20-46	1.58
					09-09-46	2.60
					12-05-46	1.44
					04-18-47	2.06
					07-30-47	1.48
					09-29-47	1.64
					12-01-47	1.69
					04-13-48	1.89
					08-09-48	1.26
					10-01-48	1.66
					12-30-48	1.58
					04-12-49	1.12
					08-22-49	0.76
					10-20-49	1.26
					12-15-49	1.45
					04-24-50	1.45
					07-21-50	1.33
					10-10-50	1.09
					01-29-51	1.56
					04-11-51	1.70
					06-18-51	1.49
					07-27-51	1.28
					01-28-52	1.35
					04-09-52	1.60
					07-07-52	1.80
					10-07-52	1.42
					01-23-53	1.25
					04-22-53	1.32
					07-06-53	1.80
					10-07-53	1.47
					01-05-54	2.26
					04-20-54	2.07
					07-07-54	1.08
					10-25-54	1.27
					01-26-55	1.91
					04-21-55	1.79
					07-06-55	1.23
					10-06-55	1.65
					01-04-56	1.40
					04-11-56	1.67
					07-25-56	1.29
					10-10-56	1.12
					01-03-57	1.24
					04-25-57	3.46
					07-22-57	1.37
					10-02-57	1.79
					01-28-58	1.37
					04-02-58	1.36
					07-16-58	1.39
					10-17-58	1.10
					01-22-59	1.34
04132295	Fuller Creek	Hunt Creek	Lat 44°51'54", long 84°09'32", in SW1/4 NE1/4 sec.35, T.29 N., R.02 E., Montmorency County, at Fish Lab Rd., 7.5 miles southeast of Lewiston, MI.	0.30	10-28-43	6.51
					04-06-44	7.66
					10-06-44	7.77
					03-29-45	9.07
					08-13-45	5.69
					10-04-45	7.08
					11-13-45	10.2
					12-04-45	6.34
					01-03-46	4.11
					02-05-46	7.24
					03-28-46	6.92
					06-20-46	6.47
					09-09-46	8.60
					12-05-46	7.87
					04-18-47	9.83
					07-30-47	8.17
					09-29-47	7.59
					12-01-47	7.67
					04-13-48	9.12
					08-09-48	8.82
					10-01-48	4.46
					12-30-48	8.82
					04-12-49	8.31
					08-22-49	5.78
					10-20-49	6.16

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements: Date	Measurements: Discharge (ft^3/s)
04132295	Fuller Creek	Hunt Creek	Continued		12-15-49	7.02
					04-24-50	7.14
					07-21-50	5.53
					10-10-50	6.01
					01-29-51	6.98
					04-11-51	8.48
					06-18-51	8.16
					07-27-51	6.66
					08-27-51	6.16
					09-24-51	7.04
					10-24-51	11.6
					01-28-52	7.89
					04-09-52	9.75
					07-07-52	7.37
					10-07-52	4.57
					01-28-53	7.03
					04-22-53	7.91
					07-06-53	6.67
					10-07-53	7.43
					01-05-54	6.84
					04-20-54	8.78
					07-07-54	7.68
					10-25-54	7.03
					01-26-55	7.95
					04-21-55	9.22
					07-06-55	7.43
					10-06-55	7.32
					01-04-56	7.15
					04-11-56	8.12
					07-25-56	7.85
					10-10-56	6.34
					01-03-57	6.56
					04-25-57	11.0
					07-22-57	7.77
					10-02-57	7.13
					01-28-58	7.52
					04-02-58	7.05
					07-16-58	7.91
					10-17-58	7.42
					01-22-59	6.45
04132300	Hunt Creek	Thunder Bay River	Lat 44°52'10", long 84°08'41", in SE1/4 SW1/4 sec.25, T.29 N., R.02 E., Montmorency County, at Hunt Creek Rd., 8.0 miles southeast of Lewiston, MI.	---	10-28-43	22.7
					04-06-44	21.3
					10-04-44	17.8
					10-06-44	22.3
					03-29-45	27.8
					08-13-45	24.2
					10-04-45	23.0
					11-13-45	30.1
					12-04-45	26.5
					01-03-46	23.1
					02-05-46	24.4
					03-28-46	28.6
					06-20-46	24.1
					09-09-46	34.6
					12-05-46	23.7
					04-18-47	34.7
					07-30-47	20.4
					09-29-47	23.7
					12-01-47	22.2
					04-13-48	26.5
					08-09-48	18.9
					10-01-48	19.6
					12-30-48	21.4
					04-12-49	20.9
					08-22-49	14.8
					10-20-49	20.1
					12-15-49	20.5
					04-24-50	25.3
					07-21-50	19.6
					10-10-50	23.2
					01-29-51	22.0
					04-11-51	32.1
					06-18-51	23.9
					07-27-51	23.5
					08-27-51	22.9
					09-24-51	28.2
					10-24-51	45.6
					01-28-52	22.4
					04-09-52	32.4
					07-07-52	23.3
					10-07-52	19.6
					01-28-53	24.4
					04-22-53	26.3
					07-06-53	24.2
					08-07-53	23.3
					01-05-54	23.2
					04-20-54	28.3

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04132300	Hunt Creek	Thunder Bay River	Continued		07-07-54	21.4
					10-25-54	25.5
					01-26-55	22.6
					04-21-55	28.9
					07-06-55	22.4
					10-06-55	23.0
					01-04-56	20.6
					04-11-56	28.2
					07-25-56	20.1
					10-10-56	20.2
					01-01-57	20.1
					04-25-57	36.4
					07-22-57	25.1
					09-03-57	19.3
					10-02-57	21.6
					01-28-58	21.3
					04-02-58	25.6
					06-17-58	20.2
					08-04-58	18.3
					10-17-58	21.3
					11-03-58	20.4
					02-03-59	20.9
					06-19-59	20.8
					08-03-59	18.9
					10-05-59	24.4
					11-02-59	25.2
					12-02-59	24.9
					01-07-60	23.5
					02-03-60	23.9
					03-02-60	23.0
					09-01-60	22.9
					02-01-61	22.8
					03-01-61	23.8
					12-04-61	25.0
					01-03-62	20.7
					02-01-62	24.7
					03-01-62	25.2
					06-04-62	24.2
					07-02-62	21.0
					09-04-62	20.5
					10-01-62	21.7
					12-03-62	23.0
					01-03-63	22.4
					02-05-63	23.4
					03-04-63	20.3
					12-02-63	22.6
					01-02-64	21.5
					02-05-64	22.5
					03-02-64	23.6
					04-01-64	21.5
					07-01-64	19.4
					09-01-64	22.0
					10-01-64	18.8
					11-02-64	20.5
					01-04-65	21.8
					02-04-65	21.0
					03-02-65	21.5
					07-01-65	20.0
					01-10-66	22.6
					04-04-66	24.6
					07-05-66	20.5
					10-05-66	23.0
					01-03-67	22.4
					07-05-67	25.9
					10-02-67	25.0
					01-03-68	24.0
					04-03-68	24.8
					07-01-68	21.2
					10-01-68	18.6
					01-20-69	25.0
					04-29-69	27.2
04132600	Thunder Bay River	Lake Huron	Lat 45°03'45", long 83°54'15", in SE1/4 SE1/4 sec.23, T.31 N., R.04 E., Montmorency County, 200 feet below dam, at Hillman, MI.	---	05-28-69	221
					08-13-70	146
04133000	Upper South Branch Thunder Bay River	Thunder Bay River	Lat 45°03'30", long 83°47'00", in NE1/4 NE1/4 sec.26, T.31 N., R.05 E., Alpena County, at State Hwy. M-32, 3.5 miles southwest of Lachine, MI.	171	08-20-68	174
					05-27-69	165
					08-12-70	138
					08-31-81	79.0
04133600	North Branch Thunder Bay River	Thunder Bay River	Lat 45°08'53", long 84°04'07", in NW1/4 SE1/4 sec.21, T.32 N., R.03 E., Montmorency County, at Voyer Lake Rd., 10.0 miles northwest of Hillman, MI.	16.0	08-13-52	13.3
					06-03-58	6.72
					07-11-63	1.14

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04134500	Lower South Branch Thunder Bay River	Thunder Bay River	Lat 44°51'35", long 83°35'40", in NW1/4 NE1/4 sec.04, T.28 N., R.07 E., Alcona County, at outlet of Hubbard Lake, 1.0 mile south of Hubbard Lake, MI.	146	08-31-81	79.0
04134700	Wolf Creek	Lower S. Branch Thunder Bay R.	Lat 44°58'40", long 83°35'30", in SE1/4 NE1/4 sec.28, T.30 N., R.07 E., Alpena County, at Hubbard Lake Rd., 4.6 miles southeast of Herron, MI.	201	10-02-46	64.7
					11-04-46	51.1
					12-05-46	39.7
					01-06-47	76.6
					02-03-47	92.5
					04-16-47	435
					04-19-47	495
					04-19-47	400
					05-07-47	562
					06-04-47	154
					07-01-47	58.4
					08-06-47	36.2
					09-03-47	35.8
					10-01-47	71.2
					11-03-47	121
					12-02-47	85.7
					01-06-48	87.8
					02-03-48	44.4
					03-02-48	61.9
					03-23-48	710
					03-24-48	571
					04-07-48	252
					05-10-48	255
					06-02-48	62.6
					07-06-48	29.8
					08-02-48	35.7
					09-01-48	29.1
					05-27-69	169
					08-12-70	44.0
04134710	Lower South Branch Thunder Bay River	Thunder Bay River	Lat 44°58'58", long 83°34'11", in SE1/4 NE1/4 sec.22, T.30 N., R.07 E., Alpena County, at Werth Rd., 8.5 miles southwest of Alpena, MI.	---	08-08-45	207
					09-20-45	185
					10-23-45	243
					11-27-45	153
					04-09-46	169
					05-08-46	275
					06-18-46	1130
					07-10-46	248
04134800	Lower South Branch Thunder Bay River	Thunder Bay River	Lat 45°03'30", long 83°35'08", in SE1/4 SW1/4 sec.21, T.31 N., R.07 E., Alpena County, at State Hwy. M-32, 7.0 miles west of Alpena, MI.	419	05-27-69	488
					08-12-70	149
04135020	Thunder Bay River	Lake Huron	Lat 45°04'15", long 83°26'16", in SW1/4 NE1/4 sec.22, T.31 N., R.08 E., Alpena County, at 9th Ave., at Alpena, MI.	1240	04-13-49	891
					10-16-74	895
04135452	Au Sable River	Lake Huron	Lat 44°46'16", long 84°45'51", in SW1/4 SW1/4 sec.35, T.28 N., R.04 W., Crawford County, at May Lake Rd., 0.5 mile southwest of Frederic, MI.	85.0	07-12-63	27.6
04135470	Au Sable River	Lake Huron	Lat 44°41'06", long 84°44'44", in SW1/4 SW1/4 sec.36, T.27 N., R.04 W., Crawford County, at Pollack Bridge, 2.2 miles northwest of Grayling, MI.	---	06-11-71	66.0
04135510	East Branch Au Sable River	Au Sable River	Lat 44°49'38", long 84°35'48", in NE1/4 NW1/4 sec.18, T.28 N., R.02 W., Crawford County, at trail off Kinney Rd., 3.1 miles north of County Road 612, 12.6 miles northeast of Grayling, MI.	12.6	07-11-60	5.50
04135515	East Branch Au Sable River	Au Sable River	Lat 44°48'16", long 84°35'18", in NE1/4 SE1/4 sec.19, T.28 N., R.02 W., Crawford County, at trail off Kinney Rd., 1.5 miles north of County Road 612, 11.5 miles northeast of Grayling, MI.	16.6	07-11-60	11.2
04135520	East Branch Au Sable River	Au Sable River	Lat 44°47'19", long 84°35'47", in SE1/4 SW1/4 sec.30, T.28 N., R.02 W., Crawford County, at County Road 612, 10.3 miles northeast of Grayling, MI.	18.9	07-11-60	15.7
					06-11-71	16.6

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04135530	Unnamed tributary	East Branch Au Sable River	Lat 44°46'35", long 84°37'12", in NW1/4 SW1/4 sec.36, T.28 N., R.03 W., Crawford County, 300 feet upstream of mouth, 9.0 miles northeast of Grayling, MI.	3.32	07-11-60	1.74
04135540	East Branch Au Sable River	Au Sable River	Lat 44°46'31", long 84°37'10", in SW1/4 SW1/4 sec.36, T.28 N., R.03 W., Crawford County, 700 feet downstream of unnamed tributary, 8.9 miles northeast of Grayling, MI.	24.4	07-11-60	16.5
04135545	East Branch Au Sable River	Au Sable River	Lat 44°46'13", long 84°37'25", in NW1/4 NW1/4 sec.01, T.27 N., R.03 W., Crawford County, at end of trail, 1.6 miles south of County Road 612, 8.7 miles northeast of Grayling, MI.	25.2	07-11-60	19.6
04135550	East Branch Au Sable River	Au Sable River	Lat 44°45'26", long 84°37'58", in SW1/4 SE1/4 sec.02, T.27 N., R.03 W., Crawford County, at truck trail, 7.6 miles northeast of Grayling, MI.	26.7	07-11-60	22.4
					06-11-71	27.6
04135560	East Branch Au Sable River	Au Sable River	Lat 44°43'42", long 84°38'38", in NW1/4 NW1/4 sec.23, T.27 N., R.03 W., Crawford County, downstream of truck trail, 5.6 miles northeast of Grayling, MI.	32.7	07-11-60	24.8
					06-11-71	40.4
04135565	East Branch Au Sable River	Au Sable River	Lat 44°43'01", long 84°38'53", in SE1/4 SE1/4 sec.22, T.27 N., R.03 W., Crawford County, at trail 0.3 mile north of Jones Lake Rd., 4.9 miles northeast of Grayling, MI.	33.9	07-11-60	25.9
04135570	East Branch Au Sable River	Au Sable River	Lat 44°42'36", long 84°40'04", in SE1/4 NE1/4 sec.28, T.27 N., R.03 W., Crawford County, 150 feet upstream of end of truck trail, 3.9 miles northeast of Grayling, MI.	35.1	07-11-60	26.3
04135580	Unnamed tributary	East Branch Au Sable River	Lat 44°42'03", long 84°41'32", in SW1/4 SE1/4 sec.29, T.27 N., R.03 W., Crawford County, 130 ft upstream of mouth, 1.0 mile north of N. Down River Rd., 2.7 miles north of Grayling, MI.	21.1	07-11-60	4.38
04135590	East Branch Au Sable River	Au Sable River	Lat 44°41'57", long 84°41'32", in NW1/4 NE1/4 sec.32, T.27 N., R.03 W., Crawford County, 250 feet downstream of unnamed tributary, 2.8 miles north of Grayling, MI.	60.0	07-11-60	32.9
					08-19-71	35.2
04135595	East Branch Au Sable River	Au Sable River	Lat 44°41'12", long 84°42'01", in SE1/4 SW1/4 sec.32, T.27 N., R.03 W., Crawford County, 0.7 mile west of N. Down Riv. Rd.-Jones Lk. Rd. intersect., 1.7 miles northeast of Grayling, MI.	60.4	07-11-60	37.2
04135600	East Branch Au Sable River	Au Sable River	Lat 44°40'08", long 84°42'20", in NW1/4 NW1/4 sec.08, T.26 N., R.03 W., Crawford County, at south boundary of State fish hatchery area, at Grayling, MI.	76.0	03-28-58	12.4
					04-01-58	35.5
					04-29-58	67.8
					05-01-58	33.0
					06-27-58	26.1
					07-02-58	26.0
					08-01-58	19.1
					09-02-58	21.9
					10-02-58	17.6
					10-21-58	35.9
					12-04-58	34.5
					01-02-59	27.3
					02-05-59	27.8
					03-05-59	22.2
					04-17-59	102
					05-04-59	79.3
					06-04-59	45.9
					07-02-59	35.2
					08-05-59	30.2
					08-25-59	61.9
					09-03-59	44.0
					07-11-60	40.4
04135610	Shellenbarger Lake Outlet	Au Sable River	Lat 44°39'23", long 84°41'20", in NE1/4 NE1/4 sec.17, T.26 N., R.03 W., Crawford County, at State Hwy. M-72, 1.0 mile east of Grayling, MI.	---	05-29-56	8.26
					07-21-75	11.4

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04135612	Au Sable River	Lake Huron	Lat 44°39'57", long 84°39'42", in SE1/4 NW1/4 sec.10, T.26 N., R.03 W., Crawford County, 400 feet above State Forest Canoe Campground, 2.6 miles east of Grayling, MI.	---	08-19-71	127
04135614	Au Sable River	Lake Huron	Lat 44°39'51", long 84°38'52", in SE1/4 NE1/4 sec.10, T.26 N., R.03 W., Crawford County, at Bartons Landing, 3.4 miles east of Grayling, MI.	---	06-11-71	179
04135616	Au Sable River	Lake Huron	Lat 44°39'55", long 84°37'38", in SE1/4 NE1/4 sec.11, T.26 N., R.03 W., Crawford County, at Keystone Landing, 4.3 miles east of Grayling, MI.	---	08-21-71	138
04135620	Au Sable River	Lake Huron	Lat 44°40'11", long 84°36'24", in NE1/4 NE1/4 sec.12, T.26 N., R.03 W., Crawford County, at end of road at Camp Wa-Wa-Sum, 5.3 miles east of Grayling, MI.	---	08-19-71	166
04135624	Au Sable River	Lake Huron	Lat 44°40'45", long 84°34'48", in SE1/4 NW1/4 sec.05, T.26 N., R.02 W., Crawford County, 900 feet above Stephans Bridge, 7.0 miles east of Grayling, MI.	200	10-18-63	146
					01-20-64	146
					04-27-64	181
					05-27-64	172
					07-07-64	125
					08-20-64	127
					09-16-64	132
					10-20-64	134
					11-03-64	148
					12-04-64	146
					01-21-65	133
					04-19-65	282
					05-26-65	262
					07-27-65	136
					10-11-65	222
					01-17-66	191
					04-11-66	206
					07-26-66	146
					10-26-66	156
					01-23-67	200
					04-19-67	302
04135625	Au Sable River	Lake Huron	Lat 44°40'45", long 84°34'39", in SE1/4 NW1/4 sec.05, T.26 N., R.02 W., Crawford County, above Stephans Bridge, 7.0 miles east of Grayling, MI.	200	06-11-71	236
					07-21-75	218
04135634	Au Sable River	Lake Huron	Lat 44°39'36", long 84°30'26", in NW1/4 SW1/4 sec.12, T.26 N., R.02 W., Crawford County, at Wakeley Bridge, 10.5 miles east of Grayling, MI.	---	06-11-71	301
04135640	Lake St. Helen Outlet	South Branch Au Sable River	Lat 44°24'00", long 84°27'17", in NE1/4 SE1/4 sec.08, T.23 N., R.01 W., Roscommon County, at end of Oak Rd. at Au Sable River Park, 2.5 miles northwest of St. Helen, MI.	72.2	10-22-45	80.8
					01-29-46	5.90
					03-21-46	140
					07-17-46	11.3
					09-30-46	10.5
					12-06-46	7.35
					05-22-47	134
					07-31-47	7.70
					09-30-47	26.4
					12-22-47	19.5
					04-12-48	144
					08-09-48	4.72
					10-19-48	0.27
					12-27-48	8.63
					04-26-49	98.2
					08-15-49	6.66
					10-31-49	1.93
					12-13-49	4.21
					04-06-50	82.2
					07-20-50	19.3
					10-05-50	9.98
					01-15-51	31.7
					04-04-51	85.8
					07-31-51	19.8
					10-25-51	55.7
					01-29-52	55.6
					04-15-52	125
					10-30-52	3.04
					01-16-53	25.7
					03-27-53	155

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04135640	Lake St. Helen Outlet	South Branch Au Sable River	Continued		04-24-53	97.0
					07-16-53	13.4
					10-12-53	5.29
					01-21-54	19.5
					04-21-54	99.3
					07-13-54	34.2
					10-11-54	81.5
					01-27-55	36.4
					04-21-55	94.4
					07-11-55	3.32
					10-11-55	2.28
					01-25-56	5.82
					04-13-56	137
					07-24-56	17.5
					10-09-56	11.3
					01-23-57	23.2
					04-29-57	27.9
					07-11-57	115
					10-04-57	16.7
					01-28-58	38.2
					04-03-58	46.6
					07-17-58	6.14
					10-17-58	9.48
04135645	Lake St. Helen Outlet	South Branch Au Sable River	Lat 44°24'36", long 84°27'48", in NW1/4 SW1/4 sec.05, T.23 N., R.01 W., Roscommon County, at State Hwy. M-18, 3.8 miles northwest of St. Helen, MI.	---	11-20-44	25.5
04135670	Robinson Creek	South Branch Au Sable River	Lat 44°29'50", long 84°35'25", in SW1/4 SW1/4 sec.05, T.24 N., R.02 W., Roscommon County, at Main St. and State Hwy. M-76, at Roscommon, MI.	---	07-22-75	18.0
04135675	South Branch Au Sable River	Au Sable River	Lat 44°30'03", long 84°35'23", in NW1/4 SW1/4 sec.05, T.24 N., R.02 W., Roscommon County, at State Hwy. M-18, at Roscommon, MI.	---	03-05-71	154
					07-22-75	186
04135678	Tank Creek	South Branch Au Sable River	Lat 44°30'04", long 84°35'40", in NE1/4 SE1/4 sec.06, T.24 N., R.02 W., Roscommon County, at Main St., at Roscommon, MI.	---	03-05-71	3.02
					07-22-75	2.99
04135682	Beaver Creek	South Branch Au Sable River	Lat 44°31'03", long 84°37'14", in NE1/4 SW1/4 sec.36, T.25 N., R.03 W., Crawford County, at Billman Rd., 1.9 miles northwest of Roscommon, MI.	---	07-22-75	13.6
04135685	South Branch Au Sable River	Au Sable River	Lat 44°32'21", long 84°34'14", in NW1/4 NW1/4 sec.28, T.25 N., R.02 W., Crawford County, at public access site at Deerheart Valley Rd., 2.9 miles north of Roscommon, MI.	---	06-11-71	182
04135687	South Branch Au Sable River	Au Sable River	Lat 44°32'27", long 84°33'03", in SE1/4 SE1/4 sec.21, T.25 N., R.02 W., Crawford County, at Chase Bridge, 3.6 miles northeast of Roscommon, MI.	---	08-19-71	89.7
					07-22-75	245
04135690	South Branch Au Sable River	Au Sable River	Lat 44°33'48", long 84°30'21", in SW1/4 NW1/4 sec.13, T.25 N., R.02 W., Crawford County, 6.0 miles northeast of Roscommon, MI.	---	06-11-71	221
04135700	South Branch Au Sable River	Au Sable River	Lat 44°36'53", long 84°27'20", in SE1/4 SE1/4 sec.29, T.26 N., R.01 W., Crawford County, 4.6 miles upstream of mouth, 9.1 miles west of Luzerne, MI.	401	04-19-51	491
					05-16-51	281
					06-28-51	179
					07-26-51	148
					08-23-51	129
					09-20-51	124
					10-29-51	285
					11-06-51	195
					01-30-52	243
					04-02-52	599
					04-24-52	402
					07-24-52	204
					10-31-52	122
					01-27-53	162
					04-21-53	333
					07-23-53	122

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04135700	South Branch Au Sable River	Au Sable River	Continued		10-14-53	119
					01-07-54	156
					04-20-54	434
					07-15-54	212
					10-07-54	303
					01-13-55	173
					04-13-55	401
					07-11-55	115
					10-13-55	105
					01-25-56	114
					04-02-56	175
					07-23-56	254
					10-05-56	131
					01-03-57	167
					04-25-57	276
					07-18-57	336
					10-03-57	136
					01-28-58	164
					04-03-58	272
					07-02-58	121
					10-03-58	112
					01-19-59	158
					06-19-59	165
					07-07-59	128
					10-27-59	355
					04-29-60	430
					07-15-60	149
					04-14-61	281
					10-20-61	178
					01-26-62	169
					04-24-62	311
					07-07-62	130
					01-28-63	136
					04-17-63	239
					07-12-63	158
					10-18-63	122
					01-20-64	164
					10-20-64	123
					11-03-64	179
					12-04-64	177
					01-21-65	152
					07-27-65	126
					01-17-66	230
					04-11-66	297
					08-18-66	129
04135705	South Branch Au Sable River	Au Sable River	Lat 44°38'41", long 84°28'09", in NW1/4 NW1/4 sec.20, T.26 N., R.01 W., Crawford County, at end of road to Ox Bow Club, 1.4 miles north of M-72, 12.0 miles east of Grayling, MI.	---	08-17-66	129
04135718	Au Sable River	Lake Huron	Lat 44°39'54", long 84°23'51", in NW1/4 NE1/4 sec.11, T.26 N., R.01 W., Crawford County, at McMaster's Bridge, 7.0 miles northwest of Luzerne, MI.	600	06-18-66	196
04135750	North Branch Au Sable River	Au Sable River	Lat 44°57'28", long 84°40'07", in NE1/4 NE1/4 sec.33, T.30 N., R.03 W., Otsego County, at end of lake control conduit, 5.0 miles south of Gaylord, MI.	---	12-22-72	18.2
					12-22-72	15.5
					12-22-72	11.9
					01-17-73	14.7
					03-01-73	14.0
					03-27-73	13.2
					04-30-73	13.0
					05-30-73	4.61
					06-28-73	1.56
					09-11-73	0.82
04135759	North Branch Au Sable River	Au Sable River	Lat 44°54'54", long 84°35'54", in SE1/4 SW1/4 sec.07, T.29 N., R.02 W., Otsego County, at Old State Rd., 5.4 miles northeast of Waters, MI.	---	06-11-71	16.0
04135762	Turtle Creek	North Branch Au Sable River	Lat 44°54'54", long 84°34'21", in SW1/4 SE1/4 sec.08, T.29 N., R.02 W., Otsego County, at Old State Rd., 6.6 miles northeast of Waters, MI.	---	06-11-71	7.70
04135764	North Branch Au Sable River	Au Sable River	Lat 44°53'34", long 84°32'54", in SE1/4 NE1/4 sec.21, T.29 N., R.02 W., Otsego County, 7.0 miles northwest of Lovells, MI.	---	06-18-71	74.1

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04135765	North Branch Au Sable River	Au Sable River	Lat 44°53'17", long 84°32'33", in SW1/4 SW1/4 sec.22, T.29 N., R.02 W., Otsego County, at the Ford, 6.3 miles northwest of Lovells, MI.	---	12-16-70	61.3
					12-16-70	61.3
					06-11-71	78.7
					06-11-71	78.7
04135780	North Branch Au Sable River	Au Sable River	Lat 44°50'58", long 84°29'17", in NE1/4 SE1/4 sec.01, T.28 N., R.02 W., Crawford County, at public fishing site, 3.0 miles north of Lovells, MI.	---	06-11-71	125
					06-17-71	117
04135782	North Branch Au Sable River	Au Sable River	Lat 44°49'40", long 84°29'26", in NE1/4 NE1/4 sec.13, T.28 N., R.02 W., Crawford County, at Twin Bridge Rd., 1.5 miles north of Lovells, MI.	120	04-16-65	191
					04-19-65	161
04135785	North Branch Au Sable River	Au Sable River	Lat 44°48'16", long 84°28'55", in NW1/4 SW1/4 sec.19, T.28 N., R.01 W., Crawford County, at County Road 612, at Lovells, MI.	---	12-16-70	126
					06-11-71	161
04135788	North Branch Au Sable River	Au Sable River	Lat 44°47'03", long 84°28'18", in SE1/4 SE1/4 sec.30, T.28 N., R.01 W., Crawford County, at Eamms Landing, 1.6 miles southeast of Lovells, MI.	---	08-19-71	121
04135800	North Branch Au Sable River	Au Sable River	Lat 44°43'00", long 84°25'11", in NW1/4 SE1/4 sec.22, T.27 N., R.01 W., Crawford County, 200 feet above Kelloggs Bridge, 6.8 miles southeast of Lovells, MI.	140	04-19-51	250
					05-15-51	199
					06-28-51	167
					07-26-51	148
					08-27-51	146
					09-20-51	142
					08-12-53	160
					10-14-53	129
					01-07-54	134
					04-20-54	201
					07-13-54	161
					10-06-54	175
					01-12-55	154
					04-14-55	218
					07-11-55	132
					10-13-55	128
					01-25-56	129
					04-09-56	237
					07-23-56	146
					10-05-56	146
					01-03-57	123
					04-19-57	148
					07-24-57	132
					10-04-57	124
					01-24-58	127
					04-02-58	135
					10-03-58	123
					01-21-59	113
					06-19-59	136
					07-07-59	132
					10-27-59	201
					04-29-60	275
					07-15-60	157
					04-14-61	170
					10-20-61	140
					01-26-62	148
					03-30-62	220
					04-24-62	222
					07-05-62	145
					01-28-63	115
					04-17-63	173
					07-12-63	122
					10-18-63	122
					01-20-64	132
					07-24-64	117
					10-19-64	130
					01-21-65	140
					07-27-65	133
					01-17-66	181
					04-12-66	191
					10-26-66	136

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04135800	North Branch Au Sable River	Au Sable River	Continued		01-23-67	178
					07-25-67	158
					01-25-68	139
					04-26-68	187
					05-17-68	180
					10-15-68	149
					01-30-69	169
					12-16-70	171
					06-02-71	211
					06-11-71	204
					01-17-73	183
04135850	Middle Branch Big Creek	Big Creek	Lat 44°47'28", long 84°22'22", in SE1/4 NE1/4 sec.25, T.28 N., R.01 W., Crawford County, at dam on Farrington Rd., 5.5 miles east of Lovells, MI.	20.0	08-19-64	0.59
04135855	Middle Branch Big Creek	Big Creek	Lat 44°45'43", long 84°22'28", in NE1/4 SE1/4 sec.01, T.27 N., R.01 W., Crawford County, along Middle Br. Truck Trail, 500 feet below the Hi-Lo Club, 6.0 miles southeast of Lovells, MI.	25.0	08-19-64	3.39
04135900	Big Creek	North Branch Au Sable River	Lat 44°42'57", long 84°24'33", in SW1/4 SW1/4 sec.23, T.27 N., R.01 W., Crawford County, at North Down River Rd., 7.0 miles southeast of Lovells, MI.	180	04-19-51	192
					05-15-51	91.0
					06-28-51	67.9
					07-26-51	56.2
					08-23-51	70.9
					09-20-51	59.7
					10-29-51	98.5
					11-07-51	72.4
					01-30-52	70.9
					04-24-52	148
					07-24-52	250
					10-30-52	65.7
					01-27-53	81.4
					04-28-53	184
					07-23-53	56.0
					10-14-53	56.0
					01-07-54	58.2
					04-20-54	119
					07-13-54	67.7
					10-06-54	91.9
					01-12-55	75.8
					04-13-55	122
					07-11-55	43.4
					10-13-55	43.4
					01-25-56	48.6
					04-09-56	171
					07-23-56	83.7
					10-05-56	55.5
					01-03-57	51.0
					04-19-57	102
					07-24-57	57.8
					10-04-57	51.2
					01-24-58	51.1
					04-02-58	80.6
					10-03-58	51.1
					01-21-59	35.0
					06-19-59	52.8
					07-07-59	49.9
					10-27-59	126
					04-29-60	136
					07-15-60	67.9
					04-13-61	86.3
					10-20-61	63.9
					01-26-62	64.6
					04-24-62	139
					07-05-62	60.2
					01-28-63	57.3
					04-17-63	81.9
					07-12-63	45.4
					10-18-63	48.6
					01-20-64	50.0
					07-24-64	42.2
					10-19-64	47.5
					01-21-65	58.4
					07-27-65	45.0
					01-17-66	112
					04-12-66	103
					10-26-66	56.4
					01-23-67	89.0
					07-25-67	102
					01-25-68	68.0
					04-26-68	104
					05-17-68	67.4
					10-15-68	75.2
					01-30-69	90.5
					01-17-73	89.2

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04135910	North Branch Au Sable River	Au Sable River	Lat 44°40'14", long 84°23'02", in SE1/4 SW1/4 sec.01, T.26 N., R.01 W., Crawford County, 1000 feet above mouth, 12.5 miles west of Mio, MI.	---	08-17-66	196
04135950	Big Creek	Au Sable River	Lat 44°39'07", long 84°15'32", in NW1/4 NE1/4 sec.13, T.26 N., R.01 E., Oscoda County, at County Road 487, 2.5 miles north of Luzerne, MI.	75.0	07-12-63	71.1
					08-17-66	74.2
					08-18-66	74.0
04136200	Au Sable River	Lake Huron	Lat 44°40'36", long 84°13'05", in SW1/4 NE1/4 sec.05, T.26 N., R.02 E., Oscoda County, at Gardner's Cabin, 3.4 miles upstream of Camp Ten Bridge, 4.7 miles northwest of Mio, MI.	---	08-03-77	778
					08-04-77	736
04136210	Unnamed tributary	Au Sable River	Lat 44°40'12", long 84°12'12", in SE1/4 SW1/4 sec.04, T.26 N., R.02 E., Oscoda County, 200 feet upstream of mouth, 3.7 miles northwest of Mio, MI.	---	08-04-77	1.88
04136220	Antler Creek	Au Sable River	Lat 44°39'58", long 84°11'00", in NE1/4 NW1/4 sec.10, T.26 N., R.02 E., Oscoda County, at powerline crossing, 2.8 miles northwest of Mio, MI.	---	08-04-77	0.10
04136230	Honeywell Creek	Au Sable River	Lat 44°42'00", long 84°10'15", in SW1/4 NW1/4 sec.35, T.27 N., R.02 E., Oscoda County, at Galbrith Rd., 3.4 miles northwest of Mio, MI.	---	08-04-77	0.66
04136240	Honeywell Creek	Au Sable River	Lat 44°40'52", long 84°09'00", in NW1/4 NW1/4 sec.01, T.26 N., R.02 E., Oscoda County, at Cherry Creek Rd., 2.2 miles northwest of Mio, MI.	---	08-04-77	1.22
04136550	Au Sable River	Lake Huron	Lat 44°39'40", long 84°06'20", in SE1/4 NW1/4 sec.08, T.26 N., R.03 E., Oscoda County, 1.8 miles east of Mio, MI.	---	08-06-77	38.2
04137500	Au Sable River	Lake Huron	Lat 44°26'09", long 83°26'06", in SE1/4 NW1/4 sec.35, T.24 N., R.08 E., Iosco County, at Rea Rd., 5.3 miles west of Oscoda, MI.	1540	11-06-73	341
					11-20-73	338
					01-15-74	2580
					01-15-74	1340
					10-14-74	1230
					10-15-74	958
					10-15-74	789
					10-15-74	2340
04137550	Au Sable River	Lake Huron	Lat 44°25'32", long 83°25'52", in SW1/4 sec.35, T.24 N., R.08 E., Iosco County, 5.0 miles west of Oscoda, MI.	---	10-14-74	540
04137680	Pine River	Au Sable River	Lat 44°30'43", long 83°24'26", in SW1/4 SE1/4 sec.36, T.25 N., R.08 E., Alcona County, at Kings Corner Rd., 7.8 miles northwest of Oscoda, MI.	---	07-13-44	105
					11-02-44	77.0
					03-27-45	159
04137685	Coppler Creek	Pine River	Lat 44°29'26", long 83°26'16", in SE1/4 NW1/4 sec.11, T.24 N., R.08 E., Iosco County, 2.4 miles upstream of mouth, 6.8 miles northwest of Oscoda, MI.	---	12-21-79	5.97
					01-30-80	5.10
04137690	Coppler Creek	Pine River	Lat 44°29'48", long 83°24'46", in SE1/4 SW1/4 sec.01, T.24 N., R.08 E., Iosco County, at State Hwy. M-171, 6.4 miles northwest of Oscoda, MI.	---	01-30-80	4.07
04137700	Dry Creek	Van Etten Lake	Lat 44°28'39", long 83°23'39", in SE1/4 NW1/4 sec.18, T.24 N., R.09 E., Iosco County, at State Hwy. M-171, 4.8 miles northwest of Oscoda, MI.	---	01-30-80	0.30
					03-04-80	0.00
					06-12-80	2.17
					07-17-80	0.04

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04137705	Dry Creek	Van Etten Lake	Lat 44°28'40", long 83°23'06", in NW1/4 NE1/4 sec.18, T.24 N., R.09 E., Iosco County, 0.2 mile upstream of mouth, 4.7 miles northwest of Oscoda, MI.	---	12-21-79	1.02
					01-11-80	1.42
					01-30-80	0.54
					03-04-80	0.25
					06-12-80	2.45
					07-17-80	0.39
04137710	Van Etten Creek	Au Sable River	Lat 44°26'54", long 83°20'24", in SW1/4 NW1/4 sec.27, T.24 N., R.09 E., Iosco County, at outlet of Van Etten Lake, 2.0 miles north of Oscoda, MI.	---	04-09-74	568
04137715	Van Etten Creek	Au Sable River	Lat 44°26'49", long 83°20'21", in SW1/4 NW1/4 sec.27, T.24 N., R.09 E., Iosco County, at Detroit and Mackinaw Railroad, 2.0 miles northwest of Oscoda, MI.	---	09-14-73	26.4
					11-06-73	76.0
					11-19-73	252
					12-13-73	285
					01-15-74	22.8
					03-07-74	853
					03-28-74	212
					10-11-74	100
					10-15-74	92.0
					03-12-75	147
					06-16-76	132
					12-08-76	126
					12-29-77	59.0
					09-11-79	56.9
04137720	Au Sable River	Lake Huron	Lat 44°25'16", long 83°20'28", in SE1/4 NE1/4 sec.04, T.23 N., R.09 E., Iosco County, at highway bridge, at Oscoda, MI.	---	10-11-73	1220
					11-05-73	2730
04137725	Old Au Sable River	Au Sable River	Lat 44°25'00", long 83°20'12", in NW1/4 SW1/4 sec.03, T.23 N., R.09 E., Iosco County, at mouth, at Oscoda, MI.	---	05-04-71	9.14
04137790	Tawas River	Lake Huron	Lat 44°17'00", long 83°30'17", in SE1/4 SE1/4 sec.19, T.22 N., R.08 E., Iosco County, at Monument Rd., at East Tawas, MI.	---	10-28-71	44.9
					09-14-73	36.8
					10-11-73	54.3
					11-19-73	78.9
					12-13-73	90.6
					01-16-74	77.4
					02-13-74	130
					03-28-74	146
					05-08-74	197
					08-16-74	38.6
					09-12-74	53.6
					10-23-74	44.7
					11-21-74	56.6
					12-19-74	64.8
					01-15-75	114
					02-19-75	54.4
					03-12-75	68.6
					03-26-75	136
					04-10-75	116
					04-23-75	150
					05-07-75	145
					05-21-75	84.0
					06-24-75	115
04137800	Tawas River	Lake Huron	Lat 44°16'39", long 83°30'53", in NE1/4 NW1/4 sec.30, T.22 N., R.08 E., Iosco County, at State Hwy. M-55, at Tawas City, MI.	156	02-21-73	77.5
					03-27-73	228
					04-24-73	152
					07-17-73	47.5
					03-07-74	281
					04-10-74	325
					04-24-74	240
					05-23-74	208
					06-19-74	168
					07-25-74	81.5
					07-20-76	65.8
					08-17-76	58.6
					06-23-77	31.5
					07-14-77	35.6

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04137970	East Branch Au Gres River	Lake Huron	Lat 44°18'49", long 83°43'41", in NE1/4 SE1/4 sec.08, T.22 N., R.06 E., Iosco County, at Old State Rd., 11.3 miles northwest of Tawas City, MI.	---	08-16-44	18.6
					11-02-44	18.9
					03-27-45	28.2
					10-31-45	22.3
					01-16-46	47.1
					04-03-46	47.7
					07-02-46	30.4
					09-18-46	17.3
					01-16-47	20.5
					05-12-47	66.0
					07-24-47	22.7
					10-01-47	21.1
					12-10-47	35.5
					05-20-48	43.5
					07-19-48	18.2
					10-25-48	18.2
					12-08-48	18.5
					04-11-49	37.0
					08-10-49	15.5
					10-18-49	17.3
					12-19-49	19.4
					03-29-50	19.7
					07-20-50	22.2
					10-24-50	19.4
					01-23-51	31.9
					05-01-51	87.2
					07-30-51	25.6
					10-23-51	29.2
					01-23-52	54.0
					04-24-52	82.4
					07-22-52	28.4
					10-21-52	21.7
					01-15-53	23.2
					04-22-53	44.0
					07-14-53	35.7
					10-13-53	20.9
					01-11-54	23.5
					04-19-54	60.0
					07-21-54	27.7
					10-14-54	54.1
					01-18-55	32.8
					04-19-55	62.0
					07-19-55	25.2
					10-26-55	22.5
					01-23-56	21.5
					04-11-56	73.3
					07-24-56	26.7
					10-23-56	23.3
					01-15-57	18.2
					04-15-57	42.5
					07-16-57	31.5
					10-23-57	26.0
					01-21-58	19.8
					04-15-58	42.3
					07-21-58	17.9
					10-20-58	17.6
					01-12-59	16.0
04137980	Guilay Creek	East Branch Au Gres River	Lat 44°18'48", long 83°43'18", in NW1/4 SW1/4 sec.09, T.22 N., R.06 E., Iosco County, at Old State Rd., 11.1 miles northwest of Tawas City, MI.	21.0	08-16-44	12.8
					11-02-44	20.8
					11-02-44	9.00
					03-27-45	15.2
					10-31-45	9.66
					01-16-46	12.2
					04-03-46	19.3
					07-02-46	11.6
					09-18-46	11.1
					01-16-47	11.4
					05-12-47	23.6
					07-24-47	13.3
					10-01-47	13.6
					12-10-47	18.4
					05-20-48	18.5
					07-19-48	11.2
					10-25-48	9.59
					12-08-48	9.66
					04-11-49	14.8
					08-10-49	9.30
					10-18-49	9.83
					12-19-49	1.94
					03-29-50	28.4
					07-20-50	19.4
					10-24-50	11.4
					01-23-51	24.6
					05-01-51	27.2
					07-30-51	12.2
					10-23-51	14.8
					01-23-52	14.3

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04137980	Guilay Creek	East Branch Au Gres River	Continued		04-24-52	33.7
					07-22-52	18.0
					10-21-52	12.2
					01-15-53	13.8
					04-22-53	21.8
					07-14-53	17.7
					10-13-53	13.5
					01-11-54	12.9
					04-19-54	21.7
					07-21-54	14.8
					10-14-54	44.6
					01-18-55	15.3
					04-19-55	33.8
					07-19-55	18.8
					10-26-55	12.7
					01-23-56	11.4
					04-11-56	25.4
					07-24-56	14.9
					10-23-56	12.5
					01-15-57	12.9
					04-15-57	14.3
					07-16-57	11.5
					10-23-57	19.8
					01-21-58	12.9
					04-15-58	15.3
					07-21-58	9.34
					10-20-58	10.3
					01-12-59	4.76
					04-15-59	26.8
					07-27-59	13.3
					10-20-59	13.4
					01-12-60	18.8
					06-13-60	20.8
					10-10-60	13.7
					12-20-60	12.4
04137990	East Branch Au Gres River	Lake Huron	Lat 44°16'41", long 83°43'24", in NW1/4 NW1/4 sec.28, T.22 N., R.06 E., Iosco County, at State Hwy. M-55, 4.0 miles north of National City, MI.	---	03-28-50	849
04137995	East Branch Au Gres River	Lake Huron	Lat 44°16'03", long 83°42'32", in SW1/4 SE1/4 sec.28, T.22 N., R.06 E., Iosco County, 400 feet downstream of dam, 2.0 miles north of National City, MI.	---	03-28-50	836
					08-12-71	43.2
					08-17-71	35.5
					09-14-71	36.8
					10-12-71	34.3
04138000	East Branch Au Gres River	Lake Huron	Lat 44°14'03", long 83°42'03", in NW1/4 NW1/4 sec.10, T.21 N., R.06 E., Iosco County, at former gaging station at Whittemore Rd., 0.9 mile west of McIvor, MI.	84.0	08-24-84	33.1
04138020	East Branch Au Gres River	Lake Huron	Lat 44°08'28", long 83°38'34", in SW1/4 SW1/4 sec.09, T.20 N., R.07 E., Arenac County, at Turner Rd., 5.2 miles southwest of Alabaster, MI.	---	07-14-73	37.9
					10-11-73	40.3
					11-20-73	55.3
					12-13-73	67.7
					01-16-74	54.4
					03-28-74	99.6
					04-24-74	139
					05-08-74	129
					05-23-74	145
					06-19-74	154
					07-25-74	50.3
					08-15-74	38.1
					09-12-74	37.6
					10-22-74	42.8
					11-21-74	49.1
					01-15-75	89.8
					02-19-75	45.7
					03-12-75	56.3
					05-07-75	136
					05-21-75	54.8
					06-24-75	126
04138025	East Branch Au Gres River	Lake Huron	Lat 44°08'34", long 83°37'51", in SE1/4 SE1/4 sec.09, T.20 N., R.07 E., Arenac County, at Turner Rd., 4.7 miles southwest of Alabaster, MI.	---	03-07-74	828
					04-10-74	139
					12-19-74	46.1
					03-26-75	296
					04-10-75	180
					04-23-75	148

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04138400	Au Gres River	Lake Huron	Lat 44°21'12", long 83°57'45", in NW1/4 SW1/4 sec.28, T.23 N., R.04 E., Ogemaw County, at County Road 18, 5.5 miles southeast of Lupton, MI.	---	02-26-45	2.34
					10-30-45	3.17
					01-05-46	8.72
					04-02-46	41.6
					07-01-46	3.04
					01-16-47	2.13
					05-06-47	18.8
					05-13-47	60.7
					07-19-47	3.00
					07-22-47	0.02
					09-23-47	0.17
					10-02-47	0.10
					12-03-47	3.28
					12-09-47	4.59
					04-11-49	8.78
					08-10-49	1.50
					10-17-49	1.06
					12-19-49	4.08
					04-25-50	31.2
					07-20-50	3.72
04138500	Au Gres River	Lake Huron	Lat 44°10'26", long 83°44'36", in NE1/4 NE1/4 sec.31, T.21 N., R.06 E., Iosco County, at former gaging station at Cox Rd., 4.4 miles southwest of National City, MI.	169	08-24-84	16.0
04138560	Gamble Creek	Rifle River	Lat 44°26'53", long 84°00'58", in NE1/4 NW1/4 sec.25, T.24 N., R.03 E., Ogemaw County, at Doll Rd., 1.2 miles northeast of Lupton, MI.	3.17	08-13-69	0.18
04138580	Gamble Creek	Rifle River	Lat 44°26'08", long 84°01'22", in SW1/4 SW1/4 sec.25, T.24 N., R.03 E., Ogemaw County, at Heath Rd., 0.4 mile north of Lupton, MI.	4.45	08-13-69	4.29
04138600	Gamble Creek	Rifle River	Lat 44°25'27", long 84°01'33", in SW1/4 SW1/4 sec.36, T.24 N., R.03 E., Ogemaw County, at Lupton Rd., 0.5 miles south of Lupton, MI.	9.47	08-20-51	8.63
					06-04-52	12.2
					08-25-52	9.27
					11-26-52	21.8
					03-19-53	31.8
					07-12-60	9.02
					04-15-63	12.3
					05-10-63	69.6
					07-08-63	8.03
					09-16-63	8.43
					10-07-63	8.52
					01-14-64	8.70
					06-08-64	8.50
					07-06-64	7.47
					08-05-64	7.59
					08-29-68	7.64
					10-31-68	9.39
					08-13-69	9.01
					06-02-70	71.1
04138602	Gamble Creek	Rifle River	Lat 44°25'17", long 84°01'41", in SE1/4 SE1/4 sec.35, T.24 N., R.03 E., Ogemaw County, at Rose City Rd., 0.5 mile south of Lupton, MI.	9.74	04-07-54	24.0
					04-08-54	40.0
					06-01-59	27.4
04138605	Vaughn Creek	Gamble Creek	Lat 44°27'00", long 84°02'14", in SE1/4 SW1/4 sec.23, T.24 N., R.03 E., Ogemaw County, at end of Oyster Rd., 1.4 miles north of Lupton, MI.	1.51	08-28-69	0.57
04138607	Vaughn Creek	Gamble Creek	Lat 44°26'08", long 84°02'48", in SE1/4 SE1/4 sec.27, T.24 N., R.03 E., Ogemaw County, at Heath Rd., 1.1 miles northwest of Lupton, MI.	2.60	08-28-69	6.90
04138610	Vaughn Creek	Gamble Creek	Lat 44°25'17", long 84°02'12", in SE1/4 SW1/4 sec.35, T.24 N., R.03 E., Ogemaw County, at Rose City Rd., 0.9 mile southwest of Lupton, MI.	3.55	08-20-51	6.68
					08-25-52	7.01
					08-29-68	5.86
					10-31-68	6.61
04138615	Gamble Creek	Rifle River	Lat 44°24'23", long 84°01'45", in SE1/4 NE1/4 sec.02, T.23 N., R.03 W., Ogemaw County, at trail road 100 feet below Vaughn Creek, 1.2 miles south of Lupton, MI.	14.1	08-20-51	14.7
					08-25-52	17.1
					08-29-68	15.8
					10-31-68	18.0

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04138617	Oyster Creek	Gamble Creek	Lat 44°27'00", long 84°03'07", in SE1/4 SW1/4 sec.22, T.24 N., R.03 E., Ogemaw County, at Oyster Rd., 200 feet below Rose Valley Dam, 2.2 miles northwest of Lupton, MI.	2.52	08-12-69	3.01
04138620	Oyster Creek	Gamble Creek	Lat 44°26'08", long 84°03'28", in SE1/4 SW1/4 sec.27, T.24 N., R.03 E., Ogemaw County, at Heath Rd., 1.6 miles west of Lupton, MI.	3.10	08-20-51	2.15
					08-25-52	2.41
					08-29-68	2.20
					10-31-68	2.30
					08-12-69	3.22
04138621	Oyster Creek	Gamble Creek	Lat 44°25'17", long 84°03'07", in SW1/4 SE1/4 sec.34, T.24 N., R.03 E., Ogemaw County, at Rose City Rd., 1.5 miles southwest of Lupton, MI.	3.64	08-20-51	4.08
					08-25-52	1.84
					09-11-52	2.46
					08-29-68	2.09
					10-31-68	2.29
					08-12-69	2.53
R 04138622	Mayhue Creek	Oyster Creek	Lat 44°26'25", long 84°03'58", in NE1/4 SE1/4 sec.28, T.24 N., R.03 E., Ogemaw County, at McKellar Rd., 2.1 miles northwest of Lupton, MI.	0.88	08-12-69	3.78
R 04138624	Andrews Creek	Mayhue Creek	Lat 44°25'54", long 84°03'58", in SE1/4 NE1/4 sec.33, T.24 N., R.03 E., Ogemaw County, at McKellar Rd., 2.0 miles west of Lupton, MI.	2.38	08-12-69	0.52
04138635	Mayhue Creek	Oyster Creek	Lat 44°25'17", long 84°03'29", in SE1/4 SW1/4 sec.34, T.24 N., R.03 E., Ogemaw County, at Rose City Rd., 1.7 miles southwest of Lupton, MI.	4.64	08-12-69	4.84
04138645	Oyster Creek	Gamble Creek	Lat 44°24'42", long 84°02'08", in NE1/4 SW1/4 sec.02, T.23 N., R.03 E., Ogemaw County, at trail road, 0.3 miles above mouth, 1.4 miles southwest of Lupton, MI.	10.4	08-20-51	6.87
					08-25-52	7.91
					08-29-68	6.95
					10-31-68	9.23
04138650	Gamble Creek	Rifle River	Lat 44°24'16", long 84°01'48", in NE1/4 NE1/4 sec.11, T.23 N., R.03 E., Ogemaw County, above Gamble Creek Canal, 0.1 miles above mouth, 1.9 miles south of Lupton, MI.	25.5	09-20-44	39.9
					10-30-45	27.4
					11-14-45	45.1
					12-05-45	30.0
					01-15-46	30.2
					02-06-46	33.7
					03-05-46	32.0
					04-02-46	37.6
					05-02-46	25.7
					06-05-46	27.2
					07-01-46	59.8
					08-12-46	20.7
					09-19-46	19.5
					10-03-46	25.2
					11-06-46	30.5
					05-13-47	45.6
					07-22-47	24.4
					10-02-47	31.6
					12-09-47	42.1
					07-19-48	18.3
					10-25-48	23.1
					12-08-48	28.2
					04-11-49	37.0
					08-12-49	31.3
					10-17-49	20.2
					12-19-49	28.6
					04-25-50	62.4
					07-17-50	29.8
					10-26-50	21.7
					01-25-51	30.4
					08-20-51	20.6
					08-25-52	24.3
					10-03-52	25.2
					11-06-52	30.5
					08-29-68	22.4
					10-31-68	30.3
04138655	Gamble Creek	Rifle River	Lat 44°24'06", long 84°02'05", in SW1/4 NE1/4 sec.11, T.23 N., R.03 E., Ogemaw County, above Rifle River, 2.2 miles south of Lupton, MI.	25.6	08-20-51	23.6
					08-25-52	26.9
					08-29-68	16.3
					10-31-68	24.9

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04138670	Rifle River	Lake Huron	Lat 44°23'57", long 84°02'07", in NW1/4 SE1/4 sec.11, T.23 N., R.03 E., Ogemaw County, below Gamble Creek Canal, 2.3 miles south of Lupton, MI.	26.4	09-20-45	30.0
					10-30-45	30.6
					11-05-45	52.1
					12-05-45	35.4
					01-15-46	37.2
					02-06-46	35.9
					03-05-46	35.4
					04-02-46	42.0
					05-02-46	29.4
					06-05-46	31.2
					07-01-46	38.3
					08-12-46	22.0
					09-19-46	22.4
					10-03-46	25.6
					11-06-46	37.0
					12-13-46	39.4
					01-16-47	32.1
					02-06-47	27.1
					03-11-47	28.5
					04-17-47	92.8
					05-13-47	45.7
					06-03-47	44.3
					07-22-47	23.5
					08-14-47	19.3
					09-09-47	18.8
					10-02-47	35.7
					11-10-47	30.0
					12-09-47	45.2
					01-12-48	25.7
					02-11-48	23.6
					03-31-48	71.6
					05-06-48	37.7
					06-16-48	20.7
					07-19-48	19.9
					08-11-48	18.2
					09-09-48	17.7
					10-25-48	23.0
					11-11-48	29.6
					12-08-48	29.4
					01-07-49	32.8
					02-03-49	30.2
					03-08-49	34.0
					04-11-49	47.3
					05-23-49	37.1
					06-27-49	30.3
					07-27-49	26.3
					08-12-49	26.7
					09-29-49	20.9
					10-17-49	23.8
					11-14-49	33.0
					12-19-49	27.7
					01-27-50	105
					02-27-50	25.6
					04-25-50	54.4
					05-25-50	31.6
					06-15-50	18.5
					07-17-50	26.0
					08-20-51	28.1
					08-25-52	29.1
					08-29-68	22.8
					10-31-68	28.2
04138690	Houghton Creek	Rifle River	Lat 44°26'10", long 84°06'56", in NW1/4 NE1/4 sec.31, T.24 N., R.03 E., Ogemaw County, at Heath Rd., 1.0 miles north of Rose City, MI.	8.74	08-20-51	6.15
					08-25-52	6.21
					08-29-68	6.01
					10-31-68	7.82
					08-18-69	7.37
04138695	Barber Creek	Bixby Creek	Lat 44°26'08", long 84°07'51", in NE1/4 NE1/4 sec.36, T.24 N., R.02 E., Ogemaw County, at Heath Rd., 1.2 miles northwest of Rose City, MI.	1.54	08-18-68	0.29
04138700	Bixby Creek	Houghton Creek	Lat 44°26'06", long 84°07'16", in NE1/4 NW1/4 sec.31, T.24 N., R.03 E., Ogemaw County, at State Hwy. M-33, 0.9 miles north of Rose City, MI.	2.68	06-02-52	0.84
					07-21-52	2.02
					11-26-52	4.47
					03-19-53	22.5
					03-24-53	8.09
					07-01-53	34.3
					04-04-54	13.3
					07-12-60	0.55

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04138700	Bixby Creek	Houghton Creek	Continued		04-15-63	1.58
					05-10-63	93.9
					07-08-63	0.65
					09-16-63	0.79
					10-07-63	0.80
					01-14-64	0.87
					07-07-64	0.24
					06-02-70	30.0
04138710	Houghton Creek	Rifle River	Lat 44°26'02", long 84°06'56", in NW1/4 NE1/4 sec.31, T.24 N., R.03 E., Ogemaw County, below Bixby Creek, 0.8 mile north of Rose City, MI.	11.6	08-20-51	7.62
					08-25-52	8.13
					08-29-68	9.19
					10-31-68	11.2
04138750	Sandback Creek	Houghton Creek	Lat 44°25'30", long 84°06'57", in SW1/4 SE1/4 sec.31, T.24 N., R.03 E., Ogemaw County, at State Hwy. M-33, 0.1 miles above mouth, 0.2 miles north of Rose City, MI.	1.13	08-20-51	7.82
					06-02-52	19.3
					06-25-52	32.2
					08-25-52	5.19
					03-25-53	43.6
					08-29-68	7.92
					10-31-68	7.30
04138790	Houghton Creek	Rifle River	Lat 44°25'30", long 84°06'46", in SW1/4 SE1/4 sec.31, T.24 N., R.03 E., Ogemaw County, below Sandback Creek, 0.3 mile north of Rose City, MI.	13.1	08-20-51	16.3
					08-25-52	15.2
					08-29-68	17.2
					10-31-68	18.6
04138800	Houghton Creek	Rifle River	Lat 44°25'15", long 84°06'34", in NE1/4 NE1/4 sec.06, T.23 N., R.03 E., Ogemaw County, at Rose City Rd., 0.3 miles east of Rose City, MI.	13.3	06-02-52	29.5
					06-25-52	38.1
					06-25-52	9.69
					03-19-53	96.4
					03-24-53	79.9
					04-07-54	66.8
					04-08-54	106
					07-12-60	17.5
					03-26-63	283
					04-15-63	20.2
					07-08-63	17.7
					09-16-63	17.7
					10-07-63	16.6
					01-14-64	19.5
					07-06-64	16.0
					08-06-64	14.3
					06-02-70	102
04138810	Houghton Creek	Rifle River	Lat 44°25'04", long 84°06'22", in SE1/4 NE1/4 sec.06, T.23 N., R.03 E., Ogemaw County, at Beechwood Rd., 0.6 mile southeast of Rose City, MI.	14.1	08-20-51	17.8
					08-25-52	15.6
					08-29-68	17.6
					10-31-68	20.1
					08-18-69	17.0
04138820	Houghton Creek	Rifle River	Lat 44°24'30", long 84°05'47", in SE1/4 SW1/4 sec.05, T.23 N., R.03 E., Ogemaw County, at Flynn Rd., 1.4 miles southeast of Rose City, MI.	15.0	08-20-51	17.6
					08-25-52	15.2
					08-29-68	18.1
					10-31-68	21.2
04138840	Wilkins Creek	Houghton Creek	Lat 44°24'25", long 84°09'08", in NW1/4 NE1/4 sec.11, T.23 N., R.02 E., Ogemaw County, at Houghton Creek Rd., 2.0 miles southwest of Rose City, MI.	3.61	08-27-69	1.60
04138846	Krug Creek	Wilkins Creek	Lat 44°23'49", long 84°08'46", in NW1/4 SW1/4 sec.12, T.23 N., R.02 E., Ogemaw County, at Campbell Rd., 2.2 miles southwest of Rose City, MI.	2.71	08-27-69	2.50
04138850	Wilkins Creek	Houghton Creek	Lat 44°23'49", long 84°08'41", in NW1/4 SW1/4 sec.12, T.23 N., R.02 E., Ogemaw County, below Krug Creek, 0.1 mile downstream of Campbell Rd., 2.2 miles southwest of Rose City, MI.	7.63	08-20-51	9.40
					08-25-52	8.74
					08-29-68	8.50
					10-31-68	9.37
					08-27-69	9.54
04138900	Wilkins Creek	Houghton Creek	Lat 44°24'15", long 84°06'59", in NE1/4 NW1/4 sec.07, T.23 N., R.03 E., Ogemaw County, at State Hwy. M-33, 1.1 miles south of Rose City, MI.	9.15	08-20-51	14.9
					06-03-52	16.9
					08-25-52	16.4
					03-19-53	51.8
					04-07-54	27.6
					04-08-54	33.9
					04-12-54	16.8
					06-01-54	30.0
					07-12-60	17.4
					03-26-63	152
					04-15-63	18.2

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04138900	Wilkins Creek	Houghton Creek	Continued		05-10-63	140
					07-08-63	16.7
					09-16-63	17.1
					10-07-63	15.8
					01-14-64	15.4
					07-06-64	15.1
					08-29-68	14.0
					10-31-68	17.3
					08-27-69	17.0
					06-02-70	78.9
04138930	Wilkins Creek	Houghton Creek	Lat 44°24'21", long 84°05'47", in NE1/4 NW1/4 sec.08, T.23 N., R.03 E., Ogemaw County, at Flynn Rd., 1.5 miles southeast of Rose City, MI.	11.1	08-20-51	16.2
					08-25-52	16.9
					08-29-68	17.6
					10-31-68	17.9
04138950	Houghton Creek	Rifle River	Lat 44°24'28", long 84°04'35", in SE1/4 SW1/4 sec.04, T.23 N., R.03 E., Ogemaw County, at Schmitt Rd., 2.2 miles southeast of Rose City, MI.	27.0	08-20-51	35.6
					08-25-52	34.8
					08-29-68	32.8
					10-31-68	37.6
04139508	Skunk Creek	Rifle River	Lat 44°23'43", long 84°00'19", in SE1/4 SE1/4 sec.12, T.23 N., R.03 E., Ogemaw County, at Wiltse Rd., 2.6 miles southeast of Lupton, MI.	4.76	08-19-69	0.20
04139510	Skunk Creek	Rifle River	Lat 44°23'22", long 84°02'02", in NW1/4 NE1/4 sec.14, T.23 N., R.03 E., Ogemaw County, at trail road, 200 feet upstream of mouth, 2.9 miles south of Lupton, MI.	8.31	10-31-68	0.74
					08-11-69	0.33
04139520	Rifle River	Lake Huron	Lat 44°22'43", long 84°02'28", in SW1/4 SW1/4 sec.14, T.23 N., R.03 E., Ogemaw County, near trail road, 0.9 mile west of Lost Lake, 4.7 miles north of Selkirk, MI.	66.4	08-20-51	58.0
					08-25-52	57.4
					08-29-68	60.8
					10-31-68	77.5
04139540	Unnamed tributary	Rifle River	Lat 44°22'22", long 84°02'40", in SW1/4 NW1/4 sec.23, T.23 N., R.03 E., Ogemaw County, at trail road, 300 feet upstream of mouth, 4.3 miles north of Silkirk, MI.	4.06	10-31-68	0.12
					08-11-69	0.07
04139550	Rifle River	Lake Huron	Lat 44°21'47", long 84°02'55", in SE1/4 SE1/4 sec.22, T.23 N., R.03 E., Ogemaw County, at Sage Lake Rd., 3.6 miles north of Selkirk, MI.	74.5	08-20-51	56.8
					08-25-52	57.7
					08-29-68	62.4
					10-31-68	72.0
04139600	Rifle River	Lake Huron	Lat 44°20'57", long 84°03'09", in SW1/4 SE1/4 sec.27, T.23 N., R.03 E., Ogemaw County, at campground at end of Twin Lake Rd., 2.6 miles north of Selkirk, MI.	76.7	08-20-51	59.6
					08-25-52	58.6
					08-29-68	61.1
					10-31-68	76.5
04139620	Henderson Lake Outlet	Rifle River	Lat 44°19'47", long 84°01'29", in SW1/4 NW1/4 sec.01, T.22 N., R.03 E., Ogemaw County, at Pettit Rd., 2.6 miles northeast of Selkirk, MI.	1.54	10-31-68	0.00
04139650	Rifle River	Lake Huron	Lat 44°20'04", long 84°03'48", in NW1/4 NW1/4 sec.03, T.22 N., R.03 E., Ogemaw County, at Peters Rd., 1.5 miles north of Selkirk, MI.	83.2	08-20-51	60.1
					08-25-52	62.8
					08-29-68	64.0
					10-31-68	88.2
04139690	Prior Creek	Rifle River	Lat 44°22'42", long 84°08'24", in NE1/4 NW1/4 sec.24, T.23 N., R.02 E., Ogemaw County, at Esmond Rd., 3.2 miles southwest of Rose City, MI.	3.51	08-20-51	3.60
					08-25-52	2.97
					08-29-68	3.02
					10-31-68	4.25
04139700	Prior Creek	Rifle River	Lat 44°22'28", long 84°06'57", in NW1/4 NE1/4 sec.19, T.23 N., R.03 E., Ogemaw County, at State Hwy. M-33, 3.2 miles south of Rose City, MI.	4.70	08-20-51	3.56
					06-03-52	5.28
					08-25-52	3.53
					11-26-52	13.0
					03-19-53	36.4
					03-23-53	42.0
					03-24-53	26.6
					04-08-54	34.9
					07-12-60	3.70
					08-29-68	3.44
					10-31-68	4.99

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04139800	Prior Creek	Rifle River	Lat 44°22'38", long 84°06'22", in NE1/4 NE1/4 sec.19, T.23 N., R.03 E., Ogemaw County, at Morrison Rd., 3.1 miles south of Rose City, MI.	4.86	08-20-51	4.14
					08-25-52	3.59
					08-29-68	3.81
					10-31-68	5.38
04139850	North Branch Prior Creek	Prior Creek	Lat 44°22'43", long 84°06'22", in SW1/4 SW1/4 sec.17, T.23 N., R.03 E., Ogemaw County, at Morrison Rd., 3.0 miles south of Rose City, MI.	1.51	08-20-51	0.61
					08-25-52	0.72
					08-29-68	0.94
					10-31-68	1.20
04139870	Bailer Creek	Prior Creek	Lat 44°22'18", long 84°06'21", in SW1/4 NW1/4 sec.20, T.23 N., R.03 E., Ogemaw County, at Morrison Rd., 3.5 miles south of Rose City, MI.	5.55	08-20-51	0.14
					08-25-52	0.17
					08-29-68	0.09
					10-31-68	0.52
04139880	Prior Creek	Rifle River	Lat 44°21'48", long 84°04'54", in SW1/4 SW1/4 sec.21, T.23 N., R.03 E., Ogemaw County, at Sage Lake Rd., 3.5 miles north of Silkirk, MI.	14.9	08-20-51	5.24
					08-25-52	4.82
					10-21-68	7.06
04139890	South Branch Ammond Creek	Ammond Creek	Lat 44°20'52", long 84°07'33", in NE1/4 NE1/4 sec.36, T.23 N., R.02 E., Ogemaw County, at State Hwy. M-33, 5.2 miles south of Rose City, MI.	1.14	05-20-59	1710
04139895	North Branch Ammond Creek	Ammond Creek	Lat 44°21'11", long 84°07'34", in SE1/4 SE1/4 sec.25, T.23 N., R.02 E., Ogemaw County, at State Hwy. M-33, 4.8 miles south of Rose City, MI.	0.65	05-20-59	1210
04139900	Ammond Creek	Prior Creek	Lat 44°20'49", long 84°06'20", in NW1/4 NW1/4 sec.32, T.23 N., R.03 W., Ogemaw County, at Morrison Rd., 2.9 miles northwest of Selkirk, MI.	3.10	06-11-52	1.00
					11-26-52	3.65
					03-19-53	44.4
					03-24-53	6.55
					07-12-60	1.01
					03-26-63	193
					04-15-63	1.54
					07-08-63	0.98
					09-16-63	1.18
					10-07-63	1.13
					01-14-64	1.72
					07-07-64	0.38
					10-31-68	1.96
04140140	Klacking Creek	Rifle River	Lat 44°20'33", long 84°09'58", in SE1/4 NE1/4 sec.34, T.23 N., R.02 E., Ogemaw County, at end of Mud Lake Rd., 5.1 miles northwest of Selkirk, MI.	4.08	08-27-69	2.13
04140150	Little Klacking Creek	Klacking Creek	Lat 44°20'57", long 84°09'24", in NE1/4 NW1/4 sec.35, T.23 N., R.02 E., Ogemaw County, at Ogemaw Center Rd., 4.8 miles northwest of Selkirk, MI.	0.54	08-27-69	1.33
04140160	Little Klacking Creek	Klacking Creek	Lat 44°20'06", long 84°08'51", in SE1/4 SE1/4 sec.35, T.23 N., R.02 E., Ogemaw County, at Peters Rd., 4.0 miles northwest of Selkirk, MI.	1.03	08-27-69	3.46
04140200	Klacking Creek	Rifle River	Lat 44°20'05", long 84°08'46", in NE1/4 NE1/4 sec.02, T.22 N., R.02 E., Ogemaw County, at Campbell Rd., 4.0 miles northwest of Selkirk, MI.	7.51	08-20-51	13.7
					06-03-52	13.8
					07-23-52	21.3
					08-25-52	9.97
					03-19-53	35.4
					03-24-53	29.1
					07-12-60	12.7
					03-26-63	90.4
					04-15-63	14.2
					05-10-63	85.3
					07-08-63	11.4
					09-16-63	13.4
					10-07-63	12.0
					01-14-64	12.6
					07-07-64	11.4
					08-29-68	12.5
					10-31-68	11.2
					08-27-69	10.8
					11-12-69	13.8
					06-02-70	85.2

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04140250	Klacking Creek	Rifle River	Lat 44°19'53", long 84°07'33", in NE1/4 NE1/4 sec.01, T.22 N., R.02 E., Ogemaw County, at State Hwy. M-33, 1.6 miles northeast of Campbells Corners, MI.	8.50	08-20-51	13.3
					08-25-52	13.0
					08-29-68	11.7
					10-31-68	13.1
04140300	Klacking Creek	Rifle River	Lat 44°19'41", long 84°06'14", in SW1/4 NW1/4 sec.05, T.22 N., R.03 E., Ogemaw County, at Morrison Rd., 2.1 miles northwest of Selkirk, MI.	9.22	08-20-51	14.1
					08-25-52	12.2
					08-29-68	12.5
					10-31-68	14.2
04140400	Klacking Creek	Rifle River	Lat 44°19'33", long 84°04'11", in NW1/4 SE1/4 sec.04, T.22 N., R.03 E., Ogemaw County, 100 feet above mouth, 0.9 mile north of Selkirk, MI.	9.95	08-20-51	12.8
					08-25-52	13.5
					08-29-68	11.8
					10-31-68	14.0
04141100	Shepards Creek	Rifle River	Lat 44°18'27", long 84°05'05", in SE1/4 SE1/4 sec.08, T.22 N., R.03 E., Ogemaw County, at Bedtelyon Rd., 1.1 miles southwest of Selkirk, MI.	4.44	06-11-52	0.17
					07-21-52	3.38
					03-19-53	41.6
					03-23-53	23.7
					03-24-53	12.2
					04-08-54	6.40
					07-12-60	0.24
					04-15-63	0.87
					07-08-63	0.12
					09-16-63	0.07
					10-07-63	0.24
					01-14-64	0.28
					07-07-64	0.07
					06-02-70	124
04141110	Rifle River	Lake Huron	Lat 44°14'43", long 84°03'53", in NW1/4 NW1/4 sec.03, T.21 N., R.03 E., Ogemaw County, 20 feet downstream of Peterson Creek, 4.8 miles south of Selkirk, MI.	130	07-01-64	62.5
					07-06-64	71.7
					08-05-64	80.6
R 04141200	Crapo Creek	Rifle River	Lat 44°19'13", long 84°12'07", in SW1/4 SW1/4 sec.04, T.22 N., R.02 E., Ogemaw County, at Engle Rd., 3.6 miles northeast of West Branch, MI.	1.50	11-12-69	6.84
R 04141250	Crane Creek	Crapo Creek	Lat 44°18'56", long 84°12'57", in SW1/4 NE1/4 sec.08, T.22 N., R.02 E., Ogemaw County, at Roesser Rd., 2.9 miles northeast of West Branch, MI.	3.50	11-12-69	2.87
04141300	Rifle Creek	West Branch Rifle River	Lat 44°17'33", long 84°12'00", in SE1/4 SW1/4 sec.16, T.22 N., R.02 E., Ogemaw County, at State Rd., 2.2 miles northeast of West Branch, MI.	9.00	11-12-69	15.0
04141350	Ogemaw Creek	West Branch Rifle River	Lat 44°16'21", long 84°13'42", in SE1/4 NE1/4 sec.30, T.22 N., R.02 E., Ogemaw County, at Irons Park, 700 feet above Brewery Creek, at West Branch, MI.	---	08-16-44	8.86
					03-04-71	31.3
					09-11-79	9.62
04141355	Brewery Creek	Ogemaw Creek	Lat 44°16'35", long 84°13'36", in NE1/4 NE1/4 sec.30, T.22 N., R.02 E., Ogemaw County, at State Hwy. M-55, at West Branch, MI.	---	03-04-71	6.30
					09-11-79	1.34
04141360	Ogemaw Creek	West Branch Rifle River	Lat 44°16'04", long 84°13'04", in NE1/4 SW1/4 sec.29, T.22 N., R.02 E., Ogemaw County, at State Hwy. M-76, 0.8 mile southeast of West Branch, MI.	---	09-11-79	14.5
04141370	Eddy Creek	West Branch Rifle River	Lat 44°15'16", long 84°12'57", in NE1/4 SW1/4 sec.32, T.22 N., R.02 E., Ogemaw County, at bridge just north of Osceola Refinery, 1.9 miles southeast of West Branch, MI.	---	05-17-72	2.79
04141375	Eddy Creek	West Branch Rifle River	Lat 44°15'09", long 84°12'35", in NE1/4 SE1/4 sec.32, T.22 N., R.02 E., Ogemaw County, at State Hwy. M-76, 2.2 miles southeast of West Branch, MI.	---	05-17-72	4.30

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04141500	West Branch Rifle River	Rifle River	Lat 44°15'40", long 84°06'30", in NE1/4 NE1/4 sec.31, T.22 N., R.03 E., Ogemaw County, 0.5 mile downstream of Campbell Creek, 4.0 miles southwest of Selkirk, MI.	52.0	01-15-64	28.0
					10-09-64	29.6
04143100	North Branch Pine River	Pine River	Lat 44°00'30", long 83°57'26", in NE1/4 NW1/4 sec.35, T.19 N., R.04 E., Arenac County, at Grove Rd., 1.8 miles north of Standish, MI.	25.0	07-27-70	2.82
04143150	Pine River	Lake Huron	Lat 44°00'05", long 83°55'37", in NE1/4 SE1/4 sec.36, T.19 N., R.04 E., Arenac County, at Foco Rd., 2.1 miles northeast of Standish, MI.	44.0	07-27-70	2.89
04143160	North Branch Pine River	Pine River	Lat 43°59'08", long 83°53'18", in SE1/4 SE1/4 sec.05, T.18 N., R.05 E., Arenac County, 200 feet upstream of South Branch, 3.6 miles east of Standish, MI.	---	09-20-73	4.61
					10-11-73	4.73
					11-20-73	13.1
					12-13-73	14.2
					03-28-74	22.2
					04-10-74	51.4
					04-24-74	26.1
					05-08-74	37.0
					06-19-74	49.5
					07-25-74	5.12
					08-15-74	3.94
					10-22-74	5.33
					11-21-74	6.90
					12-19-74	9.77
					01-15-75	44.6
					02-19-75	24.3
					03-12-75	14.7
					04-23-75	40.2
					05-07-75	50.8
					05-21-75	9.92
					06-24-75	12.3
04143170	South Branch Pine River	Pine River	Lat 43°58'58", long 83°53'37", in SW1/4 SE1/4 sec.05, T.18 N., R.05 E., Arenac County, at Pine River Rd., 3.3 miles east of Standish, MI.	---	11-20-73	6.18
					12-13-73	15.0
					02-13-74	7.20
					03-28-74	22.3
					04-10-74	56.0
					04-24-74	19.6
					05-08-74	41.2
					06-19-74	31.2
					07-25-74	0.49
					08-15-74	0.51
					10-22-74	0.10
					11-23-74	1.78
					12-19-74	4.25
					01-15-75	57.2
					02-19-75	7.11
					03-12-75	6.57
					04-23-75	39.6
					05-07-75	54.3
					05-21-75	4.65
					06-24-75	11.4
R 04143200	Pine River	Lake Huron	Lat 43°59'06", long 83°53'15", in SE1/4 SE1/4 sec.05, T.18 N., R.05 E., Arenac County, 100 feet downstream of confluence of North and South Branches, 3.5 miles east of Standish, MI.	91.9	03-27-73	131
					04-24-73	47.3
					03-07-74	708
					05-23-74	65.0
					03-26-75	276
					04-10-75	247
					07-20-76	13.8
					08-30-76	2.50
					10-04-76	3.71
					06-22-77	1.58
					07-27-77	1.11
R 04143300	Pinconning River	Lake Huron	Lat 43°51'30", long 83°57'58", in NW1/4 SW1/4 sec.23, T.17 N., R.04 E., Bay County, at U.S. Hwy. 13, at Pinconning, MI.	---	04-14-42	2.74
					04-14-42	4.19
					11-20-73	7.73
					12-13-73	7.25
					02-13-74	4.30
					03-07-74	117
					03-28-74	10.1
					04-10-74	18.2
					04-24-74	4.88
					05-08-74	10.1
					05-23-74	12.7
					06-19-74	16.1
					07-25-74	0.52

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04143300	Pinconning River	Lake Huron	Continued		10-22-74	0.09
					11-23-74	1.16
					12-19-74	1.78
					02-19-75	7.04
					03-12-75	2.10
					03-26-75	41.1
					04-10-75	55.6
					04-23-75	11.2
					05-07-75	12.0
					05-21-75	1.61
					06-24-75	6.52
04143700	Shiawassee River	Saginaw River	Lat 42°46'01", long 83°34'24", in NE1/4 sec.12, T.04 N., R.07 E., Oakland County, at Eagle Rd., 2.0 miles northwest of Davisburg, MI.	11.6	01-24-66	5.70
					04-14-66	6.69
					07-25-66	2.65
					10-13-66	3.76
					01-06-67	6.91
					05-25-67	6.18
					09-12-67	3.78
					03-05-68	7.91
04143790	Buckhorn Creek	Shiawassee River	Lat 42°43'41", long 83°37'00", in SW1/4 sec.22, T.04 N., R.07 E., Oakland County, at Water Rd., at Rose Center, MI.	11.9	07-25-66	0.48
					05-24-67	3.24
					09-12-67	1.27
04143800	Buckhorn Creek	Shiawassee River	Lat 42°45'20", long 83°35'49", in NW1/4 sec.14, T.04 N., R.07 E., Oakland County, at Davisburg Rd., 2.9 miles southeast of Holly, MI.	22.0	01-24-66	5.60
					04-14-66	8.17
					07-25-66	1.94
					10-13-66	5.30
					01-06-67	6.67
					05-24-67	9.84
					09-12-67	4.28
					03-05-68	9.94
04143820	Unnamed tributary	Shiawassee River	Lat 42°46'37", long 83°37'28", in SW1/4 sec.03, T.04 N., R.07 E., Oakland County, at Fenton Rd., at Holly, MI.	6.90	07-25-66	0.01
					05-24-67	1.76
					09-12-67	0.01
04143828	Shiawassee River	Saginaw River	Lat 42°47'32", long 83°38'07", in SW1/4 NE1/4 sec.33, T.05 N., R.07 E., Oakland County, near railroad tracks, at Holly, MI.	---	08-12-80	26.5
					09-10-80	27.5
					10-07-80	17.8
					11-13-80	21.2
					12-17-80	16.2
					01-15-81	21.0
					02-19-81	90.7
					03-17-81	31.9
					04-16-81	66.9
					05-19-81	45.3
					06-25-81	17.6
					07-16-81	10.8
					08-27-81	11.1
04143830	Shiawassee River	Saginaw River	Lat 42°47'57", long 83°38'52", in SW1/4 SW1/4 sec.28, T.05 N., R.07 E., Oakland County, at Fish Lake Rd., 0.5 mile west of Holly, MI.	49.2	08-22-55	9.89
					07-10-63	5.70
					02-25-66	26.4
					04-14-66	28.9
					07-25-66	5.64
					10-13-66	15.4
					01-06-67	16.7
					05-24-67	22.4
					09-12-67	12.8
					03-05-68	25.4
					08-12-80	26.2
					09-10-80	22.1
					10-07-80	21.6
					11-13-80	24.7
					12-17-80	23.7
					01-15-81	23.1
					02-19-81	86.0
					03-17-81	35.0
					04-16-81	70.8
					05-19-81	45.5
					06-25-81	18.8
					07-16-81	10.5
					08-27-81	9.90

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04143855	Shiawassee River	Saginaw River	Lat 42°47'42", long 83°42'20", in NW1/4 NW1/4 sec.36, T.05 N., R.06 E., Genesee County, below dam, at Fenton, MI.	---	08-12-80	23.8
					09-10-80	20.6
					10-07-80	21.8
					11-13-80	28.0
					12-17-80	24.7
					01-15-81	20.7
					02-19-81	147
					03-17-81	42.4
					04-16-81	85.6
					05-19-81	62.8
					06-25-81	19.5
					07-16-81	11.6
					08-27-81	13.4
04143860	Shiawassee River	Saginaw River	Lat 42°48'54", long 83°43'32", in SW1/4 SW1/4 sec.23, T.05 N., R.06 E., Genesee County, at Torrey Rd., 0.2 mile northwest of Fenton, MI.	---	07-10-63	5.20
					09-01-66	12.4
					08-12-80	32.3
					09-10-80	24.3
					10-07-80	23.8
					11-13-80	28.1
					12-17-80	35.2
					01-15-81	38.8
					02-19-81	140
					03-17-81	44.4
					04-16-81	89.8
					05-19-81	69.0
					06-25-81	25.0
					07-16-81	13.9
					08-27-81	9.20
04143895	Shiawassee River	Saginaw River	Lat 42°48'57", long 83°46'56", in NE1/4 SW1/4 sec.20, T.05 N., R.06 E., Genesee County, 150 feet below dam, at Linden, MI.	---	08-12-80	34.7
					09-10-80	21.3
04143910	Shiawasee River	Saginaw River	Lat 42°48'26", long 83°50'24", in NW1/4 sec.26, T.05 N., R.05 E., Genesee County, at Seymour Rd., 1.0 mile north of Argentine, MI.	---	05-13-66	52.9
					05-20-66	60.0
					05-24-66	49.8
					06-02-66	17.5
					06-02-66	18.7
					06-09-66	14.2
					06-17-66	28.6
					06-23-66	28.0
					07-12-66	9.45
					07-29-66	5.06
					08-05-66	4.06
					08-22-66	10.4
					09-01-66	12.7
					09-14-66	8.87
					09-30-66	34.8
					10-07-66	19.7
					11-01-66	13.9
					08-15-78	10.9
04143938	North Ore Creek	Shiawassee River	Lat 42°47'29", long 83°50'42", in SE1/4 NE1/4 sec.34, T.05 N., R.05 E., Genesee County, at Silver Lake Rd., at Argentine, MI.	---	05-20-75	51.6
					05-20-75	5.93
04143940	North Ore Creek	Shiawassee River	Lat 42°48'08", long 83°51'14", in SE1/4 sec.27, T.05 N., R.05 E., Genesee County, 0.5 mile north of Argentine, MI.	---	09-01-66	20.2
04143955	Shiawassee River	Saginaw River	Lat 42°49'00", long 83°53'43", in NE1/4 SW1/4 sec.20, T.05 N., R.05 E., Genesee County, at Duffield Rd., 2.3 miles east of Byron, MI.	---	10-21-58	19.3
					04-01-59	310
					07-17-74	45.6
					08-15-78	28.9
04143965	Marion and Genoa Drain	South Branch Shiawassee R.	Lat 42°35'25", long 83°55'54", in SW1/4 sec.01, T.02 N., R.04 E., Livingston County, at highway I-96, 1.2 miles south of Howell, MI.	---	04-26-71	7.23
					04-30-71	7.32
					05-10-71	6.18
					05-14-71	5.37
04143967	Marion and Genoa Drain	South Branch Shiawassee R.	Lat 42°35'34", long 83°56'35", in SE1/4 NW1/4 sec.02, T.02 N., R.04 E., Livingston County, at Peavy Rd., 0.8 miles south of Howell, MI.	---	07-29-74	5.56

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04143969	South Branch Shiawassee River	Shiawassee River	Lat 42°36'00", long 83°57'50", in SW1/4 SE1/4 sec.34, T.03 N., R.04 E., Livingston County, at Mason Rd., 1.0 mile west of Howell, MI.	---	04-16-74	31.3
					06-26-74	11.4
04143971	South Branch Shiawassee River	Shiawassee River	Lat 42°36'57", long 83°57'54", in SE1/4 SW1/4 sec.27, T.03 N., R.04 E., Livingston County, at Grand River Rd., 1.2 miles northwest of Howell, MI.	---	08-15-73	9.09
					04-15-74	43.0
					06-21-74	16.4
					07-29-74	7.79
					10-02-74	6.79
					12-13-74	28.1
					08-24-77	6.94
					03-25-82	77.0
					05-27-82	11.0
					06-17-82	14.8
					09-28-82	15.9
04143973	South Branch Shiawassee River	Shiawassee River	Lat 42°38'12", long 83°58'02", in NE1/4 SW1/4 sec.22, T.03 N., R.04 E., Livingston County, at Bowen Rd., 2.0 miles northwest of Howell, MI.	---	03-25-82	80.0
					05-27-82	12.6
					06-17-82	17.5
					09-28-82	20.4
04143975	South Branch Shiawassee River	Shiawassee River	Lat 42°40'02", long 83°58'32", in SE1/4 NE1/4 sec.09, T.03 N., R.04 E., Livingston County, at Marr Rd., 5.0 miles northwest of Howell, MI.	---	07-29-74	9.06
04143977	South Branch Shiawassee River	Shiawassee River	Lat 42°42'32", long 83°58'56", in SE1/4 NE1/4 sec.28, T.04 N., R.04 E., Livingston County, at Chase Lake Rd., 2.5 miles southwest of Cohoctah Center, MI.	---	04-15-74	83.3
					06-26-74	14.0
04143978	South Branch Shiawassee River	Shiawassee River	Lat 42°43'22", long 83°59'02", in NW1/4 SE1/4 sec.21, T.04 N., R.04 E., Livingston County, at Steinacker Rd., 8.0 miles northwest of Howell, MI.	---	03-25-82	177
					05-27-82	18.0
					06-17-82	23.0
04143979	South Branch Shiawassee River	Shiawassee River	Lat 42°43'42", long 83°58'06", in NW1/4 NE1/4 sec.22, T.04 N., R.04 E., Livingston County, at Byron Rd., 1.9 miles southeast of Cohoctah Center, MI.	---	04-11-74	133
					06-20-74	24.0
					07-29-74	7.43
04143984	Sprague Creek	South Branch Shiawassee R.	Lat 42°44'28", long 83°58'18", in NW1/4 sec.15, T.04 N., R.04 E., Livingston County, at Gannon Rd., 4.5 miles northwest of Oak Grove, MI.	---	03-25-82	90.0
04143985	South Branch Shiawassee River	Shiawassee River	Lat 42°43'33", long 83°56'55", in NE1/4 NW1/4 sec.23, T.04 N., R.04 E., Livingston County, at Oak Grove Rd., 2.0 miles north of Oak Grove, MI.	---	05-27-82	33.0
					06-17-82	39.0
04143995	South Branch Shiawassee River	Shiawassee River	Lat 42°49'04", long 83°56'33", in NW1/4 sec.24, T.05 N., R.04 E., Shiawassee County, at Byron Rd., at Byron, MI.	---	07-10-63	15.2
04144050	Holly Drain	Shiawassee River	Lat 42°56'20", long 84°02'12", in SW1/4 sec.06, T.06 N., R.04 E., Shiawassee County, at Main St., at Vernon, MI.	---	09-14-66	1.04
04144055	Shiawassee River	Saginaw River	Lat 42°56'46", long 84°02'11", in SE1/4 sec.06, T.06 N., R.04 E., Shiawassee County, at State Hwy. M-71, at northeast limit of Vernon, MI.	457	06-28-65	45.3
					07-02-65	36.5
					07-06-65	41.3
					08-23-66	55.2
					08-24-66	55.4
					08-25-66	54.5
					08-26-66	51.4
					09-14-66	43.8
04144230	Webb Creek	Shiawassee River	Lat 42°56'27", long 83°56'35", in NW1/4 sec.12, T.06 N., R.04 E., Shiawassee County, at Bennington Rd., 3.0 miles northeast of Durand, MI.	34.2	09-22-69	0.32

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04144240	Webb Creek	Shiawassee River	Lat 42°57'31", long 83°59'14", in SW1/4 sec.34, T.06 N., R.04 E., Shiawassee County, at Durand Rd., 2.5 miles northeast of Vernon, MI.	42.0	09-22-69	1.54
04144520	Shiawassee River	Saginaw River	Lat 43°05'06", long 84°11'04", in SW1/4 SW1/4 sec.13, T.08 N., R.02 E., Shiawassee County, at Henderson Rd., 0.6 mile east of Henderson, MI.	---	07-17-84 08-01-84 08-21-84 09-12-84 09-18-84	77.8 47.9 105 60.0 87.7
04144998	Deer Creek	Shiawassee River	Lat 43°13'20", long 84°06'57", in NW1/4 SE1/4 sec.33, T.10 N., R.03 E., Saginaw County, at Sharon Rd., 1.5 miles north of Chesaning, MI.	---	07-16-74	0.51
04145235	Brady Creek	Bad River	Lat 43°17'15", long 84°35'15", in NW1/4 NE1/4 sec.06, T.10 N., R.02 W., Gratiot County, above WWTP lagoon outfall, at Ithaca, MI.	---	04-23-80 10-28-80	0.05 0.06
04145240	Brady Creek	Bad River	Lat 43°17'15", long 84°35'13", in NE1/4 NE1/4 sec.06, T.10 N., R.02 W., Gratiot County, below WWTP lagoon outfall, at Ithaca, MI.	---	04-23-80 10-28-80	5.18 6.27
04145270	Unnamed tributary	Brady Creek	Lat 43°16'37", long 84°34'21", in SE1/4 SW1/4 sec.05, T.10 N., R.02 W., Gratiot County, 1.5 miles southeast of Ithaca, MI.	---	10-28-80	1.42
04145285	Brady Creek	Bad River	Lat 43°16'37", long 84°33'47", in SW1/4 SW1/4 sec.04, T.10 N., R.02 W., Gratiot County, at Bagley Rd., 1.0 mile east of Ithaca, MI.	---	04-23-80 10-28-80	6.97 8.73
04145300	Brady Creek	Bad River	Lat 43°17'00", long 84°32'40", in SE1/4 sec.04, T.10 N., R.02 W., Gratiot County, at Baldwin Rd., 3.0 miles east of Ithaca, MI.	---	10-28-69	11.9
04145305	Unnamed tributary	Brady Creek	Lat 43°17'[illegible]", long 84°31'46", in SW1/4 NE1/4 sec.03, [illegible]10 N., R.02 W., Gratiot County, at Shroyer Rd., 2.5 miles east of Ithaca, MI.	---	10-28-80	2.62
04145310	Brady Creek	Bad River	Lat 43°16'43", long 84°31'25", in SW1/4 SW1/4 sec.02, T.10 N., R.02 W., Gratiot County, on Crapo Rd., 3.0 miles east of Ithaca, MI.	---	04-23-80 10-28-80	7.93 14.7
04145500	Bad River	Shiawassee River	Lat 43°17'48", long 84°13'45", in NW1/4 sec.03, T.10 N., R.02 E., Saginaw County, at Hemlock Rd., 2.5 miles north of Brant, MI.	89.0	08-13-80 06-01-81 12-09-81	15.7 15.4 42.7
04145600	Bad River	Shiawassee River	Lat 43°18'08", long 84°08'38", in NW1/4 sec.05, T.10 N., R.03 E., Saginaw County, at State Hwy. M-52, at St. Charles, MI.	---	06-10-80 08-13-80 06-02-81	529 18.8 15.0
04145650	South Fork Bad River	Bad River	Lat 43°15'33", long 84°12'32", in NE1/4 sec.22, T.10 N., R.02 E., Saginaw County, at Brant Rd., 1.0 mile east of Brant, MI.	---	06-11-80 08-14-80 06-01-81	26.4 22.3 11.2
04145655	Potato Creek	South Fork Bad River	Lat 43°15'42", long 84°12'33", in SE1/4 sec.15, T.10 N., R.02 E., Saginaw County, at Rauchols Rd., 1.0 mile east of Brant, MI.	---	06-11-80 08-14-80 06-01-81	36.8 17.0 4.48
04145700	South Fork Bad River	Bad River	Lat 43°17'54", long 84°08'32", in SW1/4 sec.05, T.10 N., R.03 E., Saginaw County, at State Hwy. M-52, at St. Charles, MI.	---	07-12-63 06-10-80 08-13-80	0.10 139 77.1

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04145701	Bad River	Shiawassee River	Lat 43°18'04", long 84°08'15", in SW1/4 NE1/4 sec.05, T.10 N., R.03 E., Saginaw County, at Penn Central Railroad bridge, at St. Charles, MI.	---	04-28-76	1400
					06-23-76	75.4
04145715	Beaver Creek	Bad River	Lat 43°20'13", long 84°13'44", in SW1/4 sec.22, T.11 N., R.02 E., Saginaw County, at Hemlock Rd., 0.2 mile north of Nelson, MI.	---	06-11-80	108
					08-14-80	4.44
					06-01-81	8.65
04145725	Beaver Creek	Bad River	Lat 43°18'38", long 84°08'32", in SW1/4 SE1/4 sec.32, T.11 N., R.03 E., Saginaw County, at State Hwy. M-52, 0.9 mile north of St. Charles, MI.	---	04-29-76	216
					06-22-76	10.5
					06-10-80	299
					08-13-80	2.60
R 04145727	Beaver Creek	Bad River	Lat 43°18'05", long 84°08'10", in NE1/4 sec.05, T.10 N., R.03 E., Saginaw County, at mouth, at St. Charles, MI.	---	07-12-63	0.00
04145735	Pickerel Creek	Bad River	Lat 43°16'08", long 84°07'44", in NW1/4 sec.16, T.10 N., R.03 E., Saginaw County, at McKeighan Rd., 1.0 mile north of Fergus, MI.	---	06-09-80	5.49
					08-14-80	3.26
					05-27-81	2.45
04145737	Pickerel Creek	Bad River	Lat 43°16'28", long 84°07'25", in NE1/4 NW1/4 sec.16, T.10 N., R.03 E., Saginaw County, at Sharon Rd., 1.6 miles southeast of St. Charles, MI.	---	04-27-76	46.0
					06-21-76	0.67
04145741	Carson Drain	Pickerel Creek	Lat 43°14'30", long 84°07'45", in NW1/4 sec.28, T.10 N., R.03 E., Saginaw County, at McKeighan Rd., 1.0 mile south of Fergus, MI.	---	02-17-72	2.87
					04-14-72	10.6
04145750	Wolf Creek	Bad River	Lat 43°20'11", long 84°11'22", in SW1/4 sec.24, T.11 N., R.02 E., Saginaw County, at Fordney Rd., 2.0 miles east of Nelson, MI.	---	06-10-80	4.94
					08-12-80	1.30
					05-29-81	1.46
R 04145760	Shiawassee River	Saginaw River	Lat 43°20'17", long 84°04'20", in SE1/4 sec.23, T.11 N., R.03 E., Saginaw County, at extension of Miller Rd., 3.0 miles southeast of Swan Creek, MI.	---	06-22-76	323
					08-12-80	269
					05-28-81	483
					12-05-83	777
					02-22-84	2200
					06-13-84	343
04145765	Bear Creek	Shiawassee River	Lat 43°15'19", long 84°05'18", in NW1/4 sec.02, T.10 N., R.03 E., Saginaw County, at Fergus Rd., 2.1 miles east of Fergus, MI.	---	06-09-80	11.4
					06-01-81	1.46
04145766	Bear Creek	Shiawassee River	Lat 43°15'46", long 84°05'05", in NW1/4 NW1/4 sec.23, T.10 N., R.03 E., Saginaw County, at West Verne Rd., 2.3 miles northeast of Fergus, MI.	---	04-27-76	44.9
					06-21-76	0.42
04145775	Marsh Creek	Shiawassee River	Lat 43°21'56", long 84°10'22", in SE1/4 sec.12, T.11 N., R.02 E., Saginaw County, at Roosevelt Rd., 2.2 miles northwest of Garfield, MI.	---	06-11-80	9.26
					08-12-80	3.98
					05-29-81	2.55
04145780	Marsh Creek	Shiawassee River	Lat 43°21'13", long 84°07'52", in SE1/4 SE1/4 sec.17, T.11 N., R.03 E., Saginaw County, at Teft Rd., 3.6 miles north of St. Charles, MI.	---	04-28-76	54.2
					06-21-76	3.93
04145789	McClellan Run	Swan Creek	Lat 43°25'54", long 84°10'14", in NW1/4 sec.19, T.12 N., R.03 E., Saginaw County, at Orr Rd., 3.0 miles east of Hemlock, MI.	---	12-09-81	4.57

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04145790	McClellan Run	Swan Creek	Lat 43°26'05", long 84°09'03", in NW1/4 sec.20, T.12 N., R.03 E., Saginaw County, at Gleaner Rd., 4.0 miles east of Hemlock, MI.	---	12-09-81	5.72
04145793	Williams Creek	Swan Creek	Lat 43°24'28", long 84°07'53", in NW1/4 NW1/4 sec.33, T.12 N., R.03 E., Saginaw County, at State Hwy. M-52, 2.8 miles northwest of Swan Creek, MI.	---	04-26-72	5.76
04145795	Swan Creek	Marsh Creek	Lat 43°24'03", long 84°05'57", in SE1/4 sec.34, T.12 N., R.03 E., Saginaw County, at Schomaker Rd., 3.9 miles northeast of Garfield, MI.	---	06-11-80	81.1
					08-12-80	24.0
					05-29-81	31.4
04145800	Swan Creek	Marsh Creek	Lat 43°22'46", long 84°05'58", in NW1/4 NE1/4 sec.10, T.11 N., R.03 E., Saginaw County, at Swan Creek Rd., 5.9 miles northeast of St. Charles, MI.	---	04-28-76	486
					06-23-76	36.3
04145803	Marsh Creek	Shiawassee River	Lat 43°21'18", long 84°04'20", in NE1/4 SE1/4 sec.14, T.11 N., R.03 E., Saginaw County, at Miller Rd., 5.3 miles northeast of St. Charles, MI.	---	06-22-76	99.7
					06-12-80	154
					08-12-80	78.0
					05-28-81	100
					12-06-83	140
					02-22-84	689
					06-13-84	36.5
04145900	South Branch Flint River	Flint River	Lat 42°53'03", long 83°15'50", in NE1/4 sec.03, T.05 N., R.10 E., Oakland County, at Davison Lake Rd., 2.0 miles east of Thomas, MI.	12.0	04-14-66	5.11
					07-25-66	0.61
					05-24-67	9.19
					09-12-67	0.49
04145916	South Branch Flint River	Flint River	Lat 42°56'36", long 83°13'32", in SE1/4 sec.12, T.06 N., R.10 E., Lapeer County, at Dryden Rd., at Thornville, MI.	45.9	08-19-77	4.57
04145921	South Branch Flint River	Flint River	Lat 43°00'03", long 83°15'10", in NE1/4 NW1/4 sec.26, T.07 N., R.10 E., Lapeer County, at Newark Rd., 2.0 miles northeast of Hunters Creek, MI.	55.5	10-04-71	7.83
04145928	Pine Creek	South Branch Flint River	Lat 43°02'28", long 83°14'43", in NE1/4 sec.11, T.07 N., R.10 E., Lapeer County, at Wilder Rd., 3.5 miles east of Lapeer, MI.	---	04-26-72	18.8
R 04145929	Pine Creek	South Branch Flint River	Lat 43°02'21", long 83°15'53", in NE1/4 sec.10, T.07 N., R.10 E., Lapeer County, at Maple Grove Rd., 2.5 mile east of Lapeer, MI.	17.6	08-25-55	1.59
04145930	South Branch Flint River	Flint River	Lat 43°02'35", long 83°17'04", in NW1/4 sec.10, T.07 N., R.10 E., Lapeer County, at Morris Rd., 1.5 miles southeast of Lapeer, MI.	77.8	05-31-73	88.2
					07-04-73	50.0
					08-09-73	13.3
					09-12-73	7.98
					10-16-73	18.5
					07-22-74	8.58
					07-29-74	14.8
					09-11-74	14.3
					10-17-74	22.6
					11-19-74	39.4
					07-23-75	18.3
					09-30-75	46.0
					11-06-75	69.8
					06-03-76	47.1
					07-07-76	63.9
					08-12-76	18.3
					10-14-76	27.2
					11-09-76	28.6
					06-02-77	19.1
					08-02-77	11.7
					08-19-77	8.62
					04-25-78	67.6
					06-01-78	27.2
					07-11-78	11.3
					09-11-78	2.66
					05-09-79	53.5
					06-11-79	48.3
					07-18-79	14.8
					08-13-79	25.8

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04145935	South Branch Flint River	Flint River	Lat 43°02'38", long 83°17'16", in SE1/4 sec.04, T.07 N., R.10 E., Lapeer County, at Peppermill Rd., 1.0 mile east of Lapeer, MI.	---	07-10-63	5.50
					10-18-63	7.11
04145938	Hunters Creek	South Branch Flint River	Lat 43°01'44", long 83°18'58", in SW1/4 sec.08, T.07 N., R.10 E., Lapeer County, at Turrill Rd., 2.0 miles south of Lapeer, MI.	---	08-25-55	2.55
04145940	Hunters Creek	South Branch Flint River	Lat 43°02'46", long 83°18'16", in SW1/4 SW1/4 sec.04, T.07 N., R.10 E., Lapeer County, at Saginaw St., 0.3 mile south of State Hwy. M-21, at Lapeer, MI.	19.2	07-22-74	2.21
04145945	Spring Bank Creek	Mill Creek	Lat 42°54'28", long 83°25'00", in NW1/4 sec.28, T.06 N., R.09 E., Lapeer County, at Jasmond Rd., 3.5 miles south of Hadley, MI.	1.88	08-25-55	0.11
					09-20-55	0.20
					01-26-56	0.17
					04-24-56	0.71
					06-07-56	0.50
					08-03-56	0.30
					08-22-56	0.60
					09-20-56	0.30
					10-22-56	0.26
					11-13-56	0.40
					03-25-58	0.12
					05-09-58	0.37
					09-16-58	0.04
					06-09-59	0.16
					09-15-59	0.10
					04-22-60	1.68
					08-02-60	0.12
					10-12-60	0.28
					01-13-61	0.31
					05-23-61	0.45
					09-12-61	0.21
					03-27-62	2.77
					07-19-62	0.02
					09-28-62	0.22
					05-16-63	0.86
04145950	Spring Bank Creek	Mill Creek	Lat 42°55'06", long 83°26'03", in NW1/4 sec.20, T.06 N., R.09 E., Lapeer County, at Hegel Rd., 3.0 miles southwest of Hadley, MI.	2.99	08-25-55	0.19
					09-20-55	0.35
					01-26-56	0.24
					04-24-56	1.34
					06-07-56	1.14
					08-03-56	0.80
					08-22-56	0.99
					09-20-56	0.74
					10-15-56	0.71
					10-22-56	0.78
					11-13-56	0.89
					03-25-58	0.91
					05-09-58	0.88
					09-16-58	0.08
					06-09-59	0.30
					09-15-59	0.11
					04-22-60	3.50
					08-02-60	0.40
					10-12-60	0.55
					01-13-61	0.64
					05-23-61	0.97
					09-12-61	0.51
					03-27-62	4.79
					07-19-62	0.08
					09-28-62	0.39
					05-16-63	1.34
04146015	South Branch Flint River	Flint River	Lat 43°03'30", long 83°18'25", in SE1/4 SE1/4 sec.32, T.08 N., R.10 E., Lapeer County, at Oregon Rd., at Lapeer, MI.	---	07-07-41	8.44
					10-04-71	21.3
04146020	South Branch Flint River	Flint River	Lat 43°04'44", long 83°18'25", in SE1/4 sec.29, T.08 N., R.10 E., Lapeer County, at Saginaw Rd., 1.6 miles north of Lapeer, MI.	160	09-21-73	35.2
					11-13-73	43.4
					12-03-73	179
					04-08-74	611
					04-22-74	179
					05-14-74	263
					06-24-74	89.6
					07-30-74	29.0
					08-21-74	30.9
					09-11-74	27.4
					10-17-74	43.4

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04146020	South Branch Flint River	Flint River	Continued		11-20-74	68.6
					06-16-75	169
					07-23-75	33.6
					09-30-75	88.5
					11-06-75	134
					02-19-76	755
					06-03-76	89.2
					07-07-76	96.8
					08-12-76	34.7
					10-14-76	48.9
					11-10-76	68.9
					06-02-77	30.8
					08-02-77	18.4
					08-19-77	16.7
					04-25-78	125
					06-01-78	47.0
					07-11-78	20.5
					09-11-78	7.77
04146050	Plum Creek Drain	South Branch Flint River	Lat 43°05'48", long 83°19'40", in NW1/4 sec.20, T.08 N., R.10 E., Lapeer County, at Valentine Rd., 3.0 miles north of Lapeer, MI.	---	08-25-55	0.98
					08-19-77	0.00
04146051	Plum Creek Drain	South Branch Flint River	Lat 43°05'32", long 83°20'10", in NE1/4 SW1/4 sec.19, T.08 N., R.10 E., Lapeer County, at Plum Creek Rd., 2.5 miles northwest of Lapeer, MI.	36.5	07-22-74	9.14
04146052	South Branch Flint River	Flint River	Lat 43°05'32", long 83°20'42", in NW1/4 SW1/4 sec.19, T.08 N., R.10 E., Lapeer County, at Millville Rd., at Millville, MI.	---	04-23-74	261
04146055	South Branch Flint River	Flint River	Lat 43°06'52", long 83°22'17", in SE1/4 sec.11, T.08 N., R.09 E., Lapeer County, at Stanley Rd., 5.2 miles northwest of Lapeer, MI.	211	10-04-71	25.8
04146057	South Branch Flint River	Flint River	Lat 43°07'23", long 83°22'00", in SE1/4 NE1/4 sec.11, T.08 N., R.09 E., Lapeer County, at Flint River Rd., 2.3 miles northwest of Millville, MI.	---	07-22-74	44.5
04146060	South Branch Flint River	Flint River	Lat 43°08'43", long 83°21'12", in SW1/4 SE1/4 sec.36, T.09 N., R.09 E., Lapeer County, at Norway Lake Rd., 3.0 miles southeast of Columbiaville, MI.	215	08-24-55	23.1
					07-10-63	15.4
					04-25-74	248
04146063	South Branch Flint River	Flint River	Lat 43°09'34", long 83°21'03", in NE1/4 NE1/4 sec.36, T.09 N., R.09 E., Lapeer County, at Columbiaville Rd., 3.0 miles east of Columbiaville, MI.	221	10-04-71	23.3
					07-22-74	53.5
04146090	Cedar Creek	North Branch Flint River	Lat 43°11'15", long 83°08'08", in NW1/4 sec.23, T.09 N., R.11 E., Lapeer County, at Slattery Rd., 3.7 miles southeast of North Branch, MI.	---	08-19-77	0.00
R 04146110	Bottom Creek	North Branch Flint River	Lat 43°12'53", long 83°11'45", in SE1/4 sec.08, T.09 N., R.11 E., Lapeer County, 0.2 mile above mouth, 1.0 mile south of North Branch, MI.	---	08-24-55	3.91
R 04146130	Gravel Creek	North Branch Flint River	Lat 43°12'24", long 83°13'10", in SE1/4 sec.07, T.09 N., R.11 E., Lapeer County, at Burnside Rd., 1.5 miles southwest of North Branch, MI.	12.4	08-24-55	1.62
04146140	North Branch Flint River	Flint River	Lat 43°13'43", long 83°12'54", in NW1/4 SW1/4 sec.05, T.09 N., R.11 E., Lapeer County, at State Hwy. M-90, 0.9 mile west of North Branch, MI.	66.2	10-04-71	6.72

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04146170	Indian Creek	North Branch Flint River	Lat 43°19'33", long 83°10'10", in SE1/4 sec.33, T.11 N., R.11 E., Tuscola County, at Marlette Rd., 1.0 mile northeast of Clifford, MI.	---	06-19-78	0.08
04146180	Indian Creek	North Branch Flint River	Lat 43°18'29", long 83°09'46", in NE1/4 sec.10, T.10 N., R.11 E., Lapeer County, at Clifford Rd., 1.0 mile southeast of Clifford, MI.	6.50	06-19-78	0.59
04146230	Indian Creek	North Branch Flint River	Lat 43°15'35", long 83°13'33", in NE1/4 sec.30, T.10 N., R.11 E., Lapeer County, at Law Rd., 4.5 miles southwest of Clifford, MI.	---	08-19-77	0.20
04146250	North Branch Flint River	Flint River	Lat 43°14'12", long 83°17'35", in SW1/4 SW1/4 sec.34, T.10 N., R.10 E., Lapeer County, at State Hwy. M-90, 5.5 miles west of North Branch, MI.	123	10-04-71	10.4
R 04146350	Squaw Creek	North Branch Flint River	Lat 43°15'55", long 83°18'02", in SE1/4 sec.21, T.10 N., R.10 E., Lapeer County, at Barnes Rd., 6.0 miles northwest of North Branch, MI.	---	08-24-55	0.00
R 04146400	North Branch Flint River	Flint River	Lat 43°12'34", long 83°19'07", in SE1/4 sec.08, T.09 N., R.10 E., Lapeer County, downstream of State Hwy. M-24, 6.0 miles northeast of Columbiaville, MI.	197	08-24-55	7.17
					07-10-63	9.30
					10-18-63	6.64
04146450	North Branch Flint River	Flint River	Lat 43°11'18", long 83°22'03", in NW1/4 sec.24, T.09 N., R.09 E., Lapeer County, at Barnes Lake Rd., 2.8 miles northeast of Columbiaville, MI.	223	08-19-77	22.4
					10-11-79	21.8
					05-06-80	162
					06-18-80	63.1
					07-23-80	44.7
					08-27-80	41.1
					11-05-80	71.9
					07-08-81	41.8
					08-12-81	154
					09-09-81	701
					11-18-81	128
					07-15-82	50.7
					08-26-82	75.4
					10-06-82	41.4
					03-16-83	123
					06-09-83	133
					07-21-83	34.4
					09-01-83	30.2
					05-03-84	120
					06-14-84	77.1
					07-26-84	41.1
					09-06-84	108
04146475	Hemming and Whipple Drain	Flint River	Lat 43°10'52", long 83°24'08", in NW1/4 sec.22, T.09 N., R.09 E., Lapeer County, at Hollenbeck Rd., 1.7 miles northeast of Columbiaville, MI.	---	08-19-77	0.23
04146500	Flint River	Shiawassee River	Lat 43°09'28", long 83°24'49", in NE1/4 sec.33, T.09 N., R.09 E., Lapeer County, at former gaging station at Columbiaville Rd., at Columbiaville, MI.	470	03-27-54	1500
04146600	Henry Drain	Flint River	Lat 43°07'40", long 83°24'37", in NE1/4 NE1/4 sec.09, T.08 N., R.09 E., Lapeer County, at Mt. Morris Rd., 1.6 miles south of Columbiaville, MI.	---	08-19-77	1.00
					10-11-79	0.70
04146900	Hasler Creek	Flint River	Lat 43°05'37", long 83°27'34", in SE1/4 sec.13, T.08 N., R.08 E., Genesee County, at Coldwater Rd., 2.0 miles east of Richfield, MI.	28.3	08-19-77	1.47
					10-11-79	2.06
04147985	Butternut Creek	Flint River	Lat 43°09'56", long 83°34'10", in NE1/4 NW1/4 sec.30, T.09 N., R.08 E., Genesee County, at Wilson Rd., 2.0 miles west of Otisville, MI.	---	04-22-52	18.8
					05-06-52	6.30
					10-07-52	1.21
					04-23-53	9.44

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04147995	Butternut Creek	Flint River	Lat 43°07'16", long 83°35'44", in NW1/4 NW1/4 sec.12, T.08 N., R.07 E., Genesee County, at Mt. Morris Rd., 1.0 mile northeast of Genesee, MI.	37.6	04-22-52	33.1
					05-06-52	14.9
					06-25-52	7.66
					10-07-52	5.04
					04-23-53	16.8
					07-27-53	4.42
					08-20-53	6.02
					09-10-53	4.38
					10-13-53	5.44
					11-07-53	4.39
					12-15-53	5.79
					03-26-54	128
					08-20-54	4.57
					03-25-58	20.1
					05-09-58	9.66
					09-03-58	4.57
					10-21-58	4.28
					03-13-70	6.52
04148008	Flint River	Shiawassee River	Lat 43°04'35", long 83°39'17", in SW1/4 SW1/4 sec.21, T.08 N., R.07 E., Genesee County, at Carpenter Rd., at Flint, MI.	614	08-06-74	127
					10-11-79	320
04148010	Hummer Lake Outlet	Kearsley Creek	Lat 42°51'21", long 83°23'05", in SE1/4 sec.10, T.05 N., R.09 E., Oakland County, at Sashabaw Rd., 2.5 miles east of Ortonville, MI.	2.94	07-25-66	0.00
					05-24-67	1.34
					09-12-67	0.01
04148015	Kearsley Creek	Flint River	Lat 42°50'31", long 83°26'02", in NE1/4 SE1/4 sec.18, T.05 N., R.09 E., Oakland County, at Granger Rd., 1.0 mile southeast of Ortonville, MI.	9.01	07-25-66	0.64
					05-24-67	4.60
					09-12-67	1.94
04148020	Kearsley Creek	Flint River	Lat 42°50'38", long 83°26'18", in NW1/4 SE1/4 sec.18, T.05 N., R.09 E., Oakland County, at Granger Rd., at Ortonville, MI.	19.6	02-23-66	6.80
					04-14-66	12.3
					07-25-66	1.44
					10-13-66	2.56
					01-11-67	10.1
					05-24-67	12.8
					09-12-67	3.43
					03-05-68	12.0
04148030	Duck Creek	Kearsley Creek	Lat 42°50'43", long 83°26'52", in NW1/4 sec.18, T.05 N., R.09 E., Oakland County, at South St., at Ortonville, MI.	7.04	02-23-66	2.46
					04-14-66	3.08
					07-25-66	1.18
					10-13-66	1.54
					01-06-67	3.02
					05-24-67	4.00
					09-12-67	1.71
					03-05-68	3.96
R 04148050	Algae Lake Outlet	Kearsley Creek	Lat 42°52'57", long 83°26'36", in SE1/4 sec.31, T.06 N., R.09 E., Lapeer County, at outlet of lake, 2.0 miles north of Ortonville, MI.	0.37	08-25-55	0.28
					09-20-55	0.20
					01-25-56	0.39
					04-24-56	0.41
					06-07-56	0.55
					08-02-56	0.31
					08-22-56	0.46
					09-20-56	0.37
					10-15-56	0.40
					10-22-56	0.28
					11-13-56	0.47
					03-25-58	0.42
					05-09-58	0.46
					09-16-58	0.36
					06-09-59	0.25
					09-15-59	0.23
					04-22-60	0.70
					08-02-60	0.43
					10-12-60	0.38
					01-13-61	0.37
					05-23-61	0.37
					09-12-61	0.39
					03-27-62	0.50
					07-19-62	0.22
					09-28-62	0.32
					05-16-63	0.41
04148122	Cummings Drain	Kearsley Creek	Lat 42°57'31", long 83°30'21", in NW1/4 sec.03, T.06 N., R.08 E., Genesee County, at State Hwy. M-15, 2.0 miles northeast of Atlas, MI.	---	04-26-72	2.18

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04148130	Kearsley Creek	Flint River	Lat 43°01'09", long 83°33'58", in NW1/4 sec.18, T.07 N., R.08 E., Genesee County, at Court St., 3.5 miles east of Flint, MI.	---	04-22-52	84.9
					05-06-52	33.4
					10-07-52	5.76
					04-23-53	53.6
					08-25-55	10.2
04148138	Black Creek	Kearsley Creek	Lat 43°01'37", long 83°32'15", in NE1/4 sec.08, T.07 N., R.08 E., Genesee County, at Gale Rd., 1.0 mile west of Davison, MI.	---	04-22-52	16.2
					05-06-52	2.14
					10-07-52	0.67
					04-23-53	9.33
					12-15-53	1.07
					03-26-54	72.6
					08-25-55	0.70
					08-12-74	1.45
					08-19-77	0.54
04148142	Kearsley Creek	Flint River	Lat 43°02'26", long 83°35'46", in NE1/4 SE1/4 sec.02, T.07 N., R.07 E., Genesee County, at Belsay Rd., 1.5 miles east of Flint, MI.	104	04-22-52	109
					05-06-52	36.0
					06-25-52	3.73
					10-07-52	6.58
					04-24-53	60.2
					07-27-53	9.13
					08-20-53	8.28
					09-10-53	8.89
					10-13-53	12.0
					11-06-53	11.1
					12-15-53	22.4
					03-26-54	260
					08-20-54	9.09
					03-25-58	61.7
					05-09-58	23.4
					09-03-58	11.8
					10-21-58	9.66
					04-02-59	591
04148147	Kearsley Creek	Flint River	Lat 43°03'22", long 83°39'25", in SE1/4 NE1/4 sec.32, T.08 N., R.07 E., Genesee County, at Western Rd., at Flint, MI.	115	08-19-77	9.66
					10-11-79	12.3
04148150	Kearsley Creek	Flint River	Lat 43°03'13", long 83°40'05", in NE1/4 SW1/4 sec.32, T.08 N., R.07 E., Genesee County, 500 feet upstream of Flint River, at Flint, MI.	115	08-06-74	18.0
					08-12-74	25.4
04148154	Flint River	Shiawassee River	Lat 43°01'13", long 83°42'20", in NE1/4 SW1/4 sec.07, T.07 N., R.06 E., Genesee County, at Hamilton Ave., at Flint, MI.	---	07-29-81	149
					08-05-81	81.8
					08-07-81	84.2
04148160	Gilkey Creek	Flint River	Lat 43°01'27", long 83°37'32", in NE1/4 SW1/4 sec.10, T.07 N., R.07 E., Genesee County, at Arapaho St., 3.5 miles east of Flint, MI.	6.43	06-10-69	1.22
					06-10-69	1.36
04148165	Gilkey Creek	Flint River	Lat 43°01'03", long 83°40'32", in NE1/4 NE1/4 sec.18, T.07 N., R.07 E., Genesee County, at Court St., at Flint, MI.	---	08-12-74	1.33
04148175	Gilkey Creek	Flint River	Lat 43°01'52", long 83°40'40", in NE1/4 sec.07, T.07 N., R.07 E., Genesee County, at Lewis St., 0.2 mile upstream of mouth, at Flint, MI.	15.5	06-10-69	5.64
					08-06-74	1.08
04148180	Flint River	Shiawassee River	Lat 43°01'09", long 83°41'30", in SW1/4 SW1/4 sec.07, T.07 N., R.07 E., Genesee County, at North St., at Flint, MI.	---	07-09-81	176
04148184	Flint River	Shiawassee River	Lat 43°00'54", long 83°41'46", in NE1/4 NE1/4 sec.13, T.07 N., R.06 E., Genesee County, at Grand Traverse St., at Flint, MI.	---	08-04-81	85.7
					11-30-81	837
					12-03-81	837
04148188	Swartz Creek	Flint River	Lat 42°47'57", long 83°33'36", in NW1/4 sec.31, T.05 N., R.08 E., Oakland County, at Worden Rd., 3.6 miles east of Holly, MI.	---	10-12-66	0.07

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04148190	Swartz Creek	Flint River	Lat 42°48'13", long 83°34'52", in SW1/4 sec.25, T.05 N., R.07 E., Oakland County, at Mackey Rd., 2.0 miles east of Holly, MI.	2.13	08-24-55	0.45
					09-20-55	0.06
					01-25-56	0.38
					04-24-56	0.77
					06-07-56	1.11
					08-02-56	0.37
					08-22-56	0.59
					09-20-56	0.20
					10-15-56	0.40
					10-22-56	0.35
					11-13-56	0.59
					03-25-58	1.16
					05-09-58	0.30
					09-15-58	0.15
					06-09-59	0.27
					09-16-59	0.19
					04-22-60	2.49
					08-02-60	0.12
					10-12-60	0.34
					01-13-61	0.57
					05-23-61	0.54
					09-12-61	0.56
					03-27-62	2.43
					07-19-62	0.00
					09-28-62	0.15
					04-16-63	0.13
					10-12-66	0.05
04148192	Swartz Creek	Flint River	Lat 42°48'46", long 83°35'33", in NE1/4 sec.26, T.05 N., R.07 E., Oakland County, at Grange Hall Rd., 2.3 miles northeast of Holly, MI.	4.71	10-12-66	0.49
04148195	Swartz Creek	Flint River	Lat 42°49'21", long 83°36'33", in NE1/4 sec.22, T.05 N., R.07 E., Oakland County, at Fagan Rd., 2.0 miles northeast of Holly, MI.	5.97	09-20-55	0.35
					01-25-56	1.37
					04-24-56	2.57
					06-07-56	2.71
					08-02-56	0.81
					08-22-56	1.53
					09-20-56	0.79
					10-15-56	1.30
					10-22-56	1.07
					11-13-56	1.65
					03-25-58	2.92
					05-09-58	1.48
					09-15-58	0.42
					06-09-59	1.35
					09-16-59	0.74
					04-22-60	8.40
					08-02-60	0.85
					10-12-60	1.51
					01-13-61	1.52
					05-23-61	0.99
					09-12-61	2.20
					03-27-62	9.65
					07-19-62	0.34
					09-28-62	0.84
					04-16-63	1.04
					10-12-66	0.39
04148197	Mud Lake Outlet	Swartz Creek	Lat 42°49'42", long 83°36'34", in SW1/4 sec.14, T.05 N., R.07 E., Oakland County, at Fagan Rd., 2.7 miles northeast of Holly, MI.	---	08-24-55	0.71
					10-12-68	0.10
04148210	Swartz Creek	Flint River	Lat 42°50'37", long 83°40'40", in SE1/4 sec.07, T.05 N., R.07 E., Oakland County, at Kurtz Rd., 3.0 miles west of Newark, MI.	---	07-26-66	0.50
					05-24-67	10.1
					09-12-67	1.46
04148212	Swartz Creek	Flint River	Lat 42°50'03", long 83°41'12", in SW1/4 NW1/4 sec.18, T.05 N., R.07 E., Oakland County, 0.2 mile upstream of Crooked Lake, 2.0 miles northeast of Fenton, MI.	---	02-20-76	171
04148215	Seven Lakes Outlet	Swartz Creek	Lat 42°49'12", long 83°40'48", in SW1/4 sec.19, T.05 N., R.07 E., Oakland County, at Tinsman Rd., 3.0 miles northwest of Holly, MI.	2.89	07-26-66	0.14
					05-24-67	0.00
					09-12-67	0.05

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04148250	Swartz Creek	Flint River	Lat 42°51'48", long 83°41'15", in SW1/4 sec.06, T.05 N., R.07 E., Oakland County, at Thompson Rd., 1.7 miles northeast of Bayport, MI.	33.3	04-13-66	29.3
					04-14-66	26.3
					07-26-66	0.41
					01-05-67	9.34
					05-24-67	14.2
					09-12-67	2.35
					03-05-68	12.7
04148258	Swartz Creek	Flint River	Lat 42°55'45", long 83°43'52", in NE1/4 sec.15, T.06 N., R.06 E., Genesee County, at Torrey Rd., 5.0 miles west of Grand Blanc, MI.	---	04-21-52	114
					05-05-52	28.7
					10-06-52	2.67
					04-24-53	40.1
					08-23-55	1.01
04148259	Swartz Creek	Flint River	Lat 42°56'38", long 83°44'39", in NW1/4 sec.10, T.06 N., R.06 E., Genesee County, at Hill Rd., 2.0 miles north of Rankin, MI.	---	06-12-69	4.68
04148260	Swartz Creek	Flint River	Lat 42°58'22", long 83°45'43", in SW1/4 sec.28, T.07 N., R.06 E., Genesee County, at Bristol Rd., 3.9 miles east of Swartz Creek.	67.3	04-21-52	126
					05-05-52	27.0
					10-06-52	2.55
					04-23-53	47.6
					07-27-53	1.90
					08-20-53	4.68
					09-10-53	0.93
					10-13-53	1.51
					11-06-53	4.11
					08-20-54	1.44
					03-25-58	36.0
					05-09-58	12.8
					09-03-58	0.59
					10-15-58	1.33
					10-14-63	0.00
					08-12-74	2.84
04148267	West Branch Swartz Creek	Swartz Creek	Lat 42°57'15", long 83°49'55", in NW1/4 NW1/4 sec.01, T.06 N., R.05 E., Genesee County, at Morrish Rd., at Swartz Creek, MI.	---	08-12-74	0.52
04148270	West Branch Swartz Creek	Swartz Creek	Lat 42°58'22", long 83°46'08", in SW1/4 sec.28, T.07 N., R.06 E., Genesee County, at Bristol Rd., 3.2 miles east of Swartz Creek, MI.	40.6	04-21-52	26.0
					05-05-52	6.64
					10-06-52	0.77
					04-23-53	12.8
					12-15-53	1.10
					03-26-54	119
					03-25-58	14.0
					05-09-58	4.79
					09-03-58	0.80
					10-16-58	0.75
04148300	Swartz Creek	Flint River	Lat 42°59'16", long 83°43'57", in NW1/4 sec.26, T.07 N., R.06 E., Genesee County, at Ballenger Highway, at Flint, MI.	115	04-21-52	150
					05-06-52	33.2
					06-25-52	6.67
					10-06-52	3.03
					04-24-53	54.3
					07-27-53	2.94
					08-20-53	4.93
					09-10-53	1.65
					10-13-53	2.89
					11-06-53	4.98
					12-15-53	8.49
					03-27-54	249
					08-20-54	1.99
					04-01-59	194
04148305	Carman Creek	Swartz Creek	Lat 42°58'27", long 83°41'34", in SE1/4 sec.25, T.07 N., R.06 E., Genesee County, at Fenton Rd., at Flint, MI.	---	06-11-69	2.31
04148310	Carman Creek	Swartz Creek	Lat 42°59'17", long 83°42'19", in NE1/4 NW1/4 sec.25, T.07 N., R.06 E., Genesee County, at Atherton Rd., at Flint, MI.	---	08-12-74	0.93
04148312	Carman Creek	Swartz Creek	Lat 42°59'32", long 83°42'35", in SW1/4 sec.24, T.07 N., R.06 E., Genesee County, at Torrey Rd., at Flint, MI.	---	06-11-69	4.50

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
R 04148350	Thread Creek	Swartz Creek	Lat 42°48'58", long 83°32'12", in NE1/4 sec.29, T.05 N., R.08 E., Oakland County, at McGinnis Rd., east of Holly, MI.	5.61	08-24-55	1.48
					09-20-55	1.02
					01-25-56	1.32
					04-24-56	1.82
					06-07-56	2.62
					08-02-56	1.16
					08-22-56	2.50
					09-20-56	0.94
					10-15-56	1.02
					11-13-56	1.89
					03-25-58	2.03
					05-09-58	1.37
					09-15-58	1.08
					06-09-59	1.38
					09-16-59	0.93
					04-22-60	3.41
					08-02-60	1.10
					10-11-60	1.01
					01-13-61	1.25
					05-23-61	1.36
					09-12-61	1.12
					03-27-62	3.33
					07-19-62	0.71
					09-28-62	0.89
					04-16-63	0.91
04148375	Thread Creek	Swartz Creek	Lat 42°49'48", long 83°33'13", in SE1/4 sec.18, T.05 N., R.08 E., Oakland County, at Trip Rd., 4.6 miles northeast of Holly, MI.	---	06-22-71	0.62
R 04148380	Thread Creek	Swartz Creek	Lat 42°50'40", long 83°33'09", in NE1/4 sec.18, T.05 N., R.08 E., Oakland County, at Perryville Rd., at Groveland Mills, MI.	---	08-24-55	2.86
					09-20-55	1.38
					01-25-56	2.02
					04-24-56	3.25
					06-07-56	4.28
					08-03-56	2.31
					08-22-56	4.40
					09-20-56	2.58
					10-15-56	2.15
					11-13-56	3.45
					12-12-56	3.14
					01-09-57	3.09
					02-20-57	4.74
					03-23-57	5.98
					04-24-57	7.92
					05-29-57	6.19
					06-26-57	3.63
					07-29-57	2.97
					08-26-57	2.51
					09-13-57	3.49
					10-15-57	2.00
					01-28-58	4.08
					03-25-58	5.02
					05-09-58	2.79
					06-20-58	2.73
					07-28-58	1.48
					09-15-58	1.80
					10-18-58	1.82
					01-17-59	2.68
					04-08-59	10.4
					05-16-59	2.93
					06-15-59	0.37
					07-06-59	1.38
					08-07-59	1.52
					09-16-59	1.77
					10-15-59	4.14
					11-14-59	19.3
					12-22-59	4.02
					02-20-60	4.66
					03-22-60	5.57
					04-16-60	14.2
					06-24-60	4.53
					07-20-60	1.76
					08-12-60	2.23
					09-15-60	1.16
					10-11-60	2.36
					11-14-60	2.91
					12-19-60	2.82
					01-27-61	1.87
					03-09-61	7.02
					03-15-61	17.2
					04-07-61	4.83
					05-12-61	4.61
					06-22-61	3.03
					07-14-61	1.98
					08-10-61	2.02

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	 Discharge (ft³/s)
04148380	Thread Creek	Swartz Creek	Continued		09-12-61	2.51
					10-06-61	2.26
					11-16-61	5.35
					12-15-61	2.47
					01-11-62	2.98
					02-09-62	2.46
					03-22-62	13.3
					04-19-62	4.42
					05-18-62	2.94
					06-15-62	2.74
					07-20-62	1.34
					08-09-62	3.52
					09-11-62	1.74
					09-28-62	2.54
					11-07-62	2.68
					12-12-62	2.43
					01-11-63	2.71
					02-14-63	2.40
					03-25-63	14.9
					04-18-63	3.74
					05-15-63	5.18
					06-14-63	2.75
					07-19-63	2.19
					08-12-63	1.39
					10-23-63	1.53
					11-18-63	1.83
					12-16-63	1.59
					01-16-64	1.72
					02-15-64	1.61
					03-23-64	2.38
					06-02-64	1.38
					07-18-64	1.10
					09-16-64	0.29
					10-21-64	1.23
					11-20-64	1.82
					12-17-64	2.83
					01-26-65	4.58
					05-11-65	4.83
					06-07-65	4.10
					07-06-65	0.83
					09-28-65	1.85
					11-10-65	2.01
					12-06-65	2.72
					01-04-66	4.74
					03-15-66	4.96
					04-14-66	3.02
					07-26-66	0.62
					10-06-66	12.0
					12-20-66	4.27
					04-29-67	6.81
					05-25-67	3.15
					06-14-67	3.85
					09-13-67	1.29
					11-06-67	5.12
					02-15-68	3.85
					04-12-68	3.18
					05-06-68	2.96
					06-05-68	2.99
					10-14-68	2.84
					12-20-68	4.68
04148420	Thread Creek	Swartz Creek	Lat 42°56'08", long 83°35'50", in SE1/4 sec.11, T.06 N., R.07 E., Genesee County, at Belsay Rd, 1.8 miles northeast of Grand Blanc, MI.	---	06-11-69	20.7
					06-11-69	20.9
04148430	Thread Creek	Swartz Creek	Lat 42°55'37", long 83°36'44", in NE1/4 sec.15, T.06 N., R.07 E., Genesee County, at east limits of Grand Blanc, MI.	---	04-22-52	43.7
					05-06-52	11.6
04148438	Thread Creek	Swartz Creek	Lat 42°57'38", long 83°38'3/", in SW1/4 sec.33, T.07 N., R.07 E., Genesee County, at Maple Ave., 2.0 miles north of Grand Blanc, MI.	---	08-23-55	2.73

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04148450	Thread Creek	Swartz Creek	Lat 42°59'55", long 83°39'13", in SE1/4 NE1/4 sec.20, T.07 N., R.07 E., Genesee County, at State Hwy. M-54, at Flint, MI.	---	04-21-52	58.8
					04-23-52	35.1
					05-06-52	15.5
					06-25-52	3.76
					10-07-52	3.33
					07-27-53	2.93
					08-20-53	3.90
					09-10-53	2.25
					10-13-53	4.25
					11-06-53	7.48
					12-15-53	11.9
					03-26-54	161
					08-20-54	3.06
					03-25-58	30.9
					05-09-58	10.1
					09-03-58	1.87
					10-21-58	2.91
					04-01-59	95.5
04148457	Thread Creek	Swartz Creek	Lat 43°00'12", long 83°41'07", in SE1/4 SW1/4 sec.18, T.07 N., R.07 E., Genesee County, at 12th St., at Flint, MI.	---	08-12-74	4.92
04148460	Thread Creek	Swartz Creek	Lat 43°00'12", long 83°41'37", in NW1/4 NW1/4 sec.19, T.07 N., R.07 E., Genesee County, at Fenton Rd., 0.2 mile upstream of mouth, at Flint, MI.	64.1	06-11-69	30.4
04148463	Swartz Creek	Flint River	Lat 43°00'46", long 83°41'55", in SW1/4 NE1/4 sec.13, T.07 N., R.06 E., Genesee County, at Kearsley St., at Flint, MI.	---	06-12-69	78.0
					08-06-74	10.0
					08-04-81	11.1
					08-07-81	8.22
					08-08-81	22.3
					08-10-81	11.2
					08-14-81	6.39
04148465	Flint River	Shiawassee River	Lat 43°00'35", long 83°42'34", in NE1/4 SW1/4 sec.13, T.07 N., R.06 E., Genesee County, at Chevrolet Ave., at Flint, MI.	---	07-29-81	221
04148470	Flint River	Shiawassee River	Lat 43°01'03", long 83°44'04", in NW1/4 SE1/4 sec.14, T.07 N., R.06 E., Genesee County, at Ballenger Highway, at Flint, MI.	949	05-23-78	616
					07-29-81	213
					08-04-81	85.5
04148480	Flint River	Shiawassee River	Lat 43°02'04", long 83°45'37", in SW1/4 SE1/4 sec.04, T.07 N., R.06 E., Genesee County, at Mill Rd., at Flint, MI.	955	08-01-78	216
04148510	Pirnie Creek	Flint River	Lat 43°01'54", long 83°47'13", in SW1/4 sec.05, T.07 N., R.06 E., Genesee County, at Beecher Rd., 2.7 miles southeast of Flushing, MI.	3.72	08-19-77	0.08
04148533	Mud Creek	Flint River	Lat 43°02'54", long 83°49'57", in SW1/4 sec.36, T.08 N., R.05 E., Genesee County, at Morrish Rd., 0.5 mile southeast of Flushing, MI.	---	08-19-77	0.03
04148535	Mud Creek	Flint River	Lat 43°03'17", long 83°50'02", in NE1/4 sec.35, T.08 N., R.05 E., Genesee County, at Morrish Rd., 1.0 mile southeast of Flushing, MI.	---	03-23-82	12.1
					03-24-82	11.3
					03-25-82	8.44
R 04148540	Mud Creek	Flint River	Lat 43°03'26", long 83°49'56", in NW1/4 sec.36, T.08 N., R.05 E., Genesee County, at River Rd., 1.2 miles east of Flushing, MI.	8.59	05-11-71	0.98
					06-30-71	0.16
					08-18-71	0.52
04148545	Flint River	Shiawassee River	Lat 43°03'47", long 83°51'25", in SE1/4 SE1/4 sec.27, T.08 N., R.05 E., Genesee County, at Main St., at Flushing, MI.	---	05-25-54	190
					10-21-58	137
					04-02-59	4740
					08-04-81	139
					08-19-81	177
					12-01-81	1150
					12-03-81	1080

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04148610	Cole Creek	Flint River	Lat 43°02'44", long 83°51'06", in SW1/4 sec.35, T.08 N., R.05 E., Genesee County, at Potter Rd., 1.2 miles south of Flushing, MI.	8.51	08-19-77	0.07
R 04148612	Cole Creek	Flint River	Lat 43°03'34", long 83°51'49", in NW1/4 sec.34, T.08 N., R.05 E., Genesee County, at Pierson Rd., 0.6 mile southwest of Flushing, MI.	11.6	05-11-71	0.98
					06-30-71	0.04
					08-18-71	0.03
R 04148613	Cole Creek	Flint River	Lat 43°03'56", long 83°51'55", in NE1/4 SW1/4 sec.27, T.08 N., R.05 E., Genesee County, at Seymour Rd., 0.5 mile west of Flushing, MI.	---	03-23-82	17.3
					03-24-82	18.8
					03-25-82	13.9
04148615	Flint River	Shiawassee River	Lat 43°07'03", long 83°51'36", in NE1/4 sec.10, T.08 N., R.05 E., Genesee County, at Mt. Morris Rd., 3.7 miles north of Flushing, MI.	996	03-23-82	3670
					03-24-82	3380
					03-25-82	3260
04148620	Freeman Drain	Brent Creek	Lat 43°07'04", long 83°53'37", in SE1/4 sec.05, T.08 N., R.05 E., Genesee County, at Mt. Morris Rd., 4.0 miles south of Montrose, MI.	8.21	05-11-71	0.69
					06-30-71	0.10
					08-18-71	0.05
					08-19-77	0.16
04148625	Brent Creek	Flint River	Lat 43°07'32", long 83°52'29", in SE1/4 NE1/4 sec.04, T.08 N., R.05 E., Genesee County, at Seymour Rd., 1.0 mile northeast of Brent Creek, MI.	---	03-23-82	17.0
					03-24-82	16.8
					03-25-82	14.9
04148650	Armstrong Creek	Flint River	Lat 43°09'33", long 83°51'48", in NE1/4 sec.27, T.09 N., R.05 E., Genesee County, at McKinley Rd., 1.5 miles southeast of Montrose, MI.	13.3	06-09-66	4.40
					06-17-66	1.90
					06-23-66	1.14
					07-29-66	2.87
					09-09-66	0.28
					11-01-66	0.39
					05-17-67	4.10
					05-11-71	2.47
					06-30-71	0.11
					08-18-71	0.05
					08-19-77	0.50
					03-23-82	27.3
					03-25-82	22.3
R 04148660	Flint River	Shiawassee River	Lat 43°10'34", long 83°52'41", in SE1/4 SE1/4 sec.16, T.09 N., R.05 E., Genesee County, at State Hwy. M-57, 0.2 mile east of Montrose, MI.	1030	04-02-59	5260
					08-19-77	101
					05-23-78	618
					08-01-78	185
					08-05-81	148
					11-30-81	1080
					12-01-81	1110
					12-02-81	1310
					12-04-81	971
					03-23-82	3910
					03-24-82	3820
					03-25-82	3670
04148720	Brent Run	Flint River	Lat 43°10'12", long 83°50'03", in SE1/4 NE1/4 sec.23, T.09 N., R.05 E., Genesee County, on Morrish Rd., 3.1 miles east of Montrose, MI.	20.8	08-23-55	13.2
					10-17-63	5.00
04148740	Central Stadler Drain	Brent Run	Lat 43°09'46", long 83°50'14", in SE1/4 sec.23, T.09 N., R.05 E., Genesee County, at Wilson Rd., 3.1 mile east of Montrose, MI.	15.0	10-17-63	0.00
04148744	Brent Run	Flint River	Lat 43°10'37", long 83°51'22", in SE1/4 sec.15, T.09 N., R.05 E., Genesee County, at State Hwy. M-57, 1.0 mile east of Montrose, MI.	---	06-09-66	10.2
					06-17-66	7.90
					06-23-66	4.51
					07-29-66	4.71
					09-09-66	5.41
					11-01-66	3.59
					05-17-67	10.2

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	 Discharge (ft^3/s)
04148745	Brent Run	Flint River	Lat 43°11'14", long 83°51'50", in SE1/4 NW1/4 sec.15, T.09 N., R.05 E., Genesee County, at McKinley Rd., 1.5 mile northeast of Montrose, MI.		06-30-71	2.12
					08-18-71	1.77
					08-06-74	9.96
					05-23-78	10.7
					08-01-78	2.67
					08-05-81	4.52
					08-08-81	6.39
					08-10-81	6.35
					08-14-81	4.58
					08-14-81	4.87
					11-30-81	18.7
					12-02-81	21.3
					03-23-82	55.6
					03-24-82	53.8
					03-25-82	47.5
04148770	Flint River	Shiawassee River	Lat 43°15'00", long 83°52'23", in SW1/4 sec.22, T.10 N., R.05 E., Saginaw County, at Birch Run Rd., 1.0 mile north of Morseville, MI.	---	12-02-81	1350
					03-23-82	4430
					03-24-82	4060
					03-25-82	3770
R 04148795	Pine Run	Flint River	Lat 43°10'52", long 83°45'15", in SE1/4 sec.16, T.09 N., R.06 E., Genesee County, at Jennings Rd., 0.5 mile west of Clio, MI.	---	08-23-55	2.15
04148815	Pine Run	Flint River	Lat 43°15'05", long 83°51'15", in SE1/4 SE1/4 sec.22, T.10 N., R.05 E., Saginaw County, at Marshall Rd., 3.0 miles west of Birch Run, MI.	---	05-23-78	8.89
04148820	Pine Run	Flint River	Lat 43°15'12", long 83°52'01", in NE1/4 SW1/4 sec.22, T.10 N., R.05 E., Saginaw County, at Morseville Rd., 1.2 miles north of Morseville, MI.	36.1	07-12-63	0.60
					08-05-81	2.09
					08-08-81	2.98
					08-10-81	4.17
					08-14-81	1.94
					11-30-81	24.6
					12-02-81	23.8
					12-04-81	22.5
04148920	Silver Creek	Flint River	Lat 43°15'40", long 83°48'53", in NE1/4 sec.24, T.10 N., R.05 E., Saginaw County, at Elms Rd., 0.5 mile northwest of Birch Run, MI.	---	04-26-78	3.44
					05-23-78	3.62
04148940	Silver Creek	Flint River	Lat 43°16'27", long 83°52'27", in SW1/4 NW1/4 sec.15, T.10 N., R.05 E., Saginaw County, at Pettit Rd., 4.3 miles northwest of Birch Run, MI.	---	05-23-78	5.73
					12-02-81	22.0
					12-04-81	17.5
04148950	Silver Creek	Flint River	Lat 43°16'39", long 83°53'08", in NE1/4 NW1/4 sec.16, T.10 N., R.05 E., Saginaw County, at Canada Rd., 1.5 miles southeast of Fosters, MI.	28.9	08-08-81	4.34
					11-30-81	24.6
04149010	Flint River	Shiawassee River	Lat 43°19'09", long 83°59'34", in NE1/4 NE1/4 sec.33, T.11 N., R.04 E., Saginaw County, at Cresswell Rd.,4.1 miles northwest of Fosters, MI.	---	12-06-83	398
					02-23-84	1440
					06-14-84	498
04149012	Cole Ditch	Shiawassee River	Lat 43°19'20", long 84°00'14", in SE1/4 SW1/4 sec.28, T.11 N., R.04 E., Saginaw County, at Curtis Rd., 3.9 miles northeast of Alicia, MI.	---	04-27-76	2840
					06-21-76	0.00
04149320	Misteguay Creek	Flint River	Lat 43°02'40", long 83°57'23", in SE1/4 sec.35, T.08 N., R.04 E., Shiawassee County, at Cronk Rd., 1.9 mile southeast of Juddville, MI.	---	04-14-72	26.3
04149340	Misteguay Creek	Flint River	Lat 43°03'32", long 83°58'22", in SE1/4 sec.27, T.08 N., R.04 E., Shiawassee County, at Juddville Rd., 0.8 mile east of Juddville, MI.	45.1	04-14-72	87.3

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
R 04149370	Misteguay Creek	Flint River	Lat 43°10'34", long 83°56'33", in NW1/4 sec.24, T.09 N., R.04 E., Saginaw County, at State Hwy. M-57, 2.5 miles west of Montrose, MI.	97.4	06-30-71 08-18-71	0.96 0.27
04149410	Misteguay Creek	Flint River	Lat 43°13'11", long 83°59'20", in NW1/4 NW1/4 sec.03, T.09 N., R.04 E., Saginaw County, at Lincoln Rd., 3.0 miles north of Layton Corners, MI.	---	05-21-73 07-24-73	3.23 6.57
R 04149425	Misteguay Creek	Flint River	Lat 43°14'04", long 83°59'32", in NE1/4 sec.33, T.10 N., R.04 E., Saginaw County, at West Burt Rd., 7.0 miles northeast of Chesaning, MI.	---	10-17-63	1.00
R 04149430	Misteguay Creek	Flint River	Lat 43°14'57", long 83°59'39", in SE1/4 SE1/4 sec.21, T.10 N., R.04 E., Saginaw County, at Birch Run Rd., 2.4 miles southeast of Alicia, MI.	142	11-13-73 03-05-74 05-13-74 07-01-74 08-01-74 09-09-74	4.44 1540 37.8 10.2 2.66 3.78
R 04149440	Misteguay Creek	Flint River	Lat 43°15'23", long 83°59'43", in SE1/4 sec.21, T.10 N., R.04 E., Saginaw County, at Fergus Rd., 4.5 miles southwest of Fosters, MI.	---	07-12-63	0.04
04149460	Peart Drain	Misteguay Creek	Lat 43°15'47", long 83°58'20", in NE1/4 NE1/4 sec.22, T.10 N., R.04 E., Saginaw County, near Bueche Rd., 3.8 miles southwest of Fosters, MI.	---	04-14-72	4.56
04149500	Flint River	Shiawassee River	Lat 43°18'40", long 84°02'00", in SE1/4 sec.31, T.11 N., R.04 E., Saginaw County, 100 feet downstream of the Prairie Farms Assc. flood-pumping sta., 2.8 miles north of Alicia, MI.	---	04-29-76 06-23-76 12-07-83 02-21-84 06-12-84	1230 623 198 827 199
R 04149508	Birch Run	Ferguson Bayou	Lat 43°18'28", long 83°56'00", in NW1/4 sec.06, T.10 N., R.05 E., Saginaw County, at Sheridan Rd., 1.0 mile northwest of Fosters, MI.	---	07-12-63	0.00
04149510	Birch Run	Ferguson Bayou	Lat 43°19'18", long 83°58'29", in SE1/4 SE1/4 sec.27, T.11 N., R.04 E., Saginaw County, at Curtis Rd., 5.4 miles southwest of Bridgeport, MI.	---	04-28-76 06-21-76	413 307
04149675	Duff Creek	Cass River	Lat 43°19'43", long 83°04'00", in SE1/4 SE1/4 sec.32, T.11 N., R.12 E., Sanilac County, off Marlette Rd., above waste water treatment plant, at Marlette, MI.	---	08-13-80 10-23-80 11-06-80	0.47 0.08 0.07
04149680	Duff Creek	Cass River	Lat 43°19'47", long 83°03'52", in SE1/4 SE1/4 sec.32, T.11 N., R.12 E., Sanilac County, at Boyne Rd., 0.8 mile east of Marlette, MI.	---	08-13-80 10-23-80 11-06-80	1.21 0.22 0.77
04149685	Duff Creek	Cass River	Lat 43°20'35", long 83°03'30", in SE1/4 SW1/4 sec.28, T.11 N., R.12 E., Sanilac County, at Mayville Rd., 1.5 miles northeast of Marlette, MI.	---	10-23-80	1.85
04149690	Duff Creek	Cass River	Lat 43°20'46", long 83°02'42", in SW1/4 SW1/4 sec.27, T.11 N., R.12 E., Sanilac County, at Decker Rd., 2.1 miles northeast of Marlette, MI.	8.86	08-13-80 11-06-80	1.50 1.74
04149695	Duff Creek	Cass River	Lat 43°21'29", long 83°01'37", in NE1/4 NE1/4 sec.27, T.11 N., R.12 E., Sanilac County, at French Line Rd., 3.3 miles northeast of Marlette, MI.	---	08-13-80 10-23-80	2.00 3.59
04149700	Duff Creek	Cass River	Lat 43°21'53", long 83°00'22", in NE1/4 SE1/4 sec.23, T.11 N., R.12 E., Sanilac County, at Germania Rd., 4.5 miles northeast of Marlette, MI.	14.3	08-07-70 08-13-80	0.98 1.83

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Discharge (ft³/s)
04149800	South Branch Cass River	Cass River	Lat 43°31'56", long 83°02'37", in SW1/4 SE1/4 sec.22, T.13 N., R.12 E., Sanilac County, at Shabbona Rd., 0.5 mile east of Shabbona, MI.	---	07-11-63	1.20
04150510	Center Drain	Cass River	Lat 43°36'03", long 83°11'13", in SE1/4 SW1/4 sec.28, T.14 N., R.11 E., Tuscola County, at State Hwy. M-81, at Cass City, MI.	11.1	07-10-74	.81
04150600	White Creek	Cass River	Lat 43°30'47", long 83°18'34", in SE1/4 SE1/4 sec.29, T.13 N., R.10 E., Tuscola County, at Murray Rd., 4.8 miles northeast of Caro, MI.	---	07-11-63 10-17-63 07-10-74 08-31-77	2.70 2.50 13.5 3.90
04150610	Cass River	Saginaw River	Lat 43°30'38", long 83°20'35", in SE1/4 SW1/4 sec.30, T.13 N., R.10 E., Tuscola County, at Deckerville Rd., 3.0 miles northeast of Caro, MI.	---	04-02-69 04-03-69 04-09-69 11-24-74	678 1160 742 39.0
04150700	Sucker Creek	Cass River	Lat 43°28'47", long 83°19'48", in NE1/4 NE1/4 sec.07, T.12 N., R.10 E., Tuscola County, at Frankfort Rd., 2.5 miles east of Caro, MI.	---	07-11-63 10-17-63	2.70 1.50
04150705	Sucker Creek	Cass River	Lat 43°29'05", long 83°20'50", in SE1/4 SE1/4 sec.01, T.12 N., R.09 E., Tuscola County, at Albin Rd., 2.7 miles southeast of Caro, MI.	---	11-12-74	7.34
04150850	O'Brien Drain	Cass River	Lat 43°24'32", long 83°28'37", in SE1/4 SW1/4 sec.25, T.12 N., R.08 E., Tuscola County, at State Hwy. M-46, 3.8 miles southwest of Wahjamega, MI.	4.35	11-12-74	0.52
04150870	Evergreen Creek	Cass River	Lat 43°24'32", long 83°28'59", in SE1/4 SE1/4 sec.26, T.12 N., R.08 E., Tuscola County, at State Hwy. M-46, 3.9 miles southeast of Wahjamega, MI.	---	11-12-74	4.38
04150990	Cass River	Saginaw River	Lat 43°22'24", long 83°34'24", in NE1/4 SW1/4 sec.07, T.11 N., R.08 E., Tuscola County, 1,500 feet upstream of Penn Central Railroad bridge, at Vassar, MI.	709	04-30-79 07-31-79	681 46.9
04151005	Moore Drain	Cass River	Lat 43°22'35", long 83°34'43", in NW1/4 NW1/4 sec.07, T.11 N., R.08 E., Tuscola County, at Grant St., at Vassar, MI.	---	04-30-79 08-01-79	8.78 0.12
04151010	Moore Drain	Cass River	Lat 43°22'22", long 83°34'57", in NW1/4 SW1/4 sec.07, T.11 N., R.08 E., Tuscola County, at Oak St., at Vassar, MI.	---	04-30-79 07-31-79	8.66 0.09
04151015	Moore Drain	Cass River	Lat 43°22'14", long 83°35'04", in NW1/4 SW1/4 sec.07, T.11 N., R.08 E., Tuscola County, at Spring St., at Vassar, MI.	---	05-01-79 08-01-79	8.42 0.08
04151020	Cass River	Saginaw River	Lat 43°21'51", long 83°35'15", in NE1/4 NE1/4 sec.13, T.11 N., R.07 E., Tuscola County, 800 feet downstream of Chesapeak & Ohio Railroad bridge, at Vassar, MI.	---	05-01-79 08-01-79	707 47.3
04151030	Goodings Creek	Cass River	Lat 43°21'01", long 83°34'44", in NW1/4 NW1/4 sec.19, T.11 N., R.08 E., Tuscola County, at State Hwy. M-15, 1.5 miles south of Vassar, MI.	---	07-10-74	4.20
04151035	Millington Creek	Cass River	Lat 43°17'13", long 83°32'23", in NE1/4 SE1/4 sec.08, T.10 N., R.08 E., Tuscola County, at Fulmer Rd., 0.6 mile northwest of Millington, MI.	---	11-02-83 11-02-83	3.66 6.36

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04151040	Millington Creek	Cass River	Lat 43°17'45", long 83°33'18", in SW1/4 SW1/4 sec.05, T.10 N., R.08 E., Tuscola County, at Murphy Lake Rd., 1.6 miles northwest of Millington, MI.	---	11-02-83	5.50
04151045	Millington Creek	Cass River	Lat 43°18'27", long 83°34'47", in SW1/4 SW1/4 sec.31, T.11 N., R.08 E., Tuscola County, at Swaffer Rd., 3.1 miles northwest of Millington, MI.	---	11-02-83	8.26
04151050	Millington Creek	Cass River	Lat 43°19'57", long 83°38'30", in SW1/4 NW1/4 sec.27, T.11 N., R.07 E., Tuscola County, at Loren Rd., 0.9 mile northeast of Tuscola, MI.	---	07-10-74	2.06
04151200	Perry Creek	Cass River	Lat 43°19'28", long 83°39'07", in SW1/4 SE1/4 sec.28, T.11 N., R.07 E., Tuscola County, at Loren Rd., 0.3 mile southeast of Tuscola, MI.	---	07-11-63	1.50
					10-17-63	1.50
					07-10-74	4.57
04151210	Cass River	Saginaw River	Lat 43°19'28", long 83°39'28", in SE1/4 SW1/4 sec.28, T.11 N., R.07 E., Tuscola County, at Bray Rd., 0.2 mile south of Tuscola, MI.	824	04-09-74	1860
04151490	Cass River	Saginaw River	Lat 43°19'36", long 83°44'35", in NW1/4 SE1/4 sec.27, T.11 N., R.06 E., Saginaw County, upstream of the wastewater treatment plant, at Frankenmuth, MI.	---	08-24-82	65.0
04151495	Cass River	Saginaw River	Lat 43°19'39", long 83°44'47", in NE1/4 SW1/4 sec.27, T.11 N., R.06 E., Saginaw County, downstream of the wastewater treatment plant, at Frankenmuth, MI.	---	08-24-82	78.0
04151600	Dead Creek	Cass River	Lat 43°18'30", long 83°44'06", in SE1/4 SE1/4 sec.34, T.11 N., R.06 E., Saginaw County, at State Hwy. M-83, 1.6 miles south of Frankenmuth, MI.	24.1	07-10-74	1.42
04151620	Dead Creek	Cass River	Lat 43°19'18", long 83°47'38", in NW1/4 NW1/4 sec.32, T.11 N., R.06 E., Saginaw County, at Curtis Rd., 3.0 miles west of Frankenmuth, MI.	33.5	08-24-82	0.70
04151640	Cass River	Saginaw River	Lat 43°19'23", long 83°47'52", in SE1/4 SW1/4 sec.30, T.11 N., R.06 E., Saginaw County, at Curtis Rd., 3.5 miles west of Frankenmuth, MI.	---	08-24-82	60.0
04151700	Cass River	Saginaw River	Lat 43°19'50", long 83°49'48", in SE1/4 NW1/4 sec.25, T.11 N., R.05 E., Saginaw County, at Dixie Hwy., 3.3 miles southeast of Bridgeport, MI.	885	04-02-74	1360
04152002	Cass River	Saginaw River	Lat 43°21'54", long 83°57'18", in NE1/4 NE1/4 sec.14, T.11 N., R.04 E., Saginaw County, at State Hwy. M-13, 3.7 miles west of Bridgeport, MI.	905	04-01-74	950
					04-28-76	4810
					06-22-76	145
					12-05-83	504
					02-21-84	2100
					06-12-84	448
04152010	Middle Branch Tittabawassee River	Tittabawassee River	Lat 44°11'28", long 84°17'43", in SW1/4 SE1/4 sec.22, T.21 N., R.01 E., Ogemaw County, 0.2 mile downstream of Edwards Lake, 6.8 miles southwest of West Branch, MI.	15.2	09-18-64	12.8
					11-05-64	23.8
					06-21-65	14.5
					02-03-66	19.3
					03-22-66	37.6
					04-18-66	23.1
					04-19-66	27.9
					04-25-66	31.5
					10-17-66	25.1
					12-13-66	25.4

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04152020	Middle Branch Tittabawassee River	Tittabasassee River	Lat 44°09'21", long 84°17'28", in SE1/4 SE1/4 sec.01, T.20 N., R.01 E., Gladwin County, at State Hwy. M-30, 9.0 miles south of West Branch, MI.	35.5	03-07-58 06-17-58 07-10-58 11-05-64 03-22-66 04-18-66 04-19-66 04-25-66 08-23-84	34.9 24.4 27.6 41.0 66.6 44.2 50.8 61.8 26.1
04152030	East Branch Tittabawassee River	Middle Branch Tittabawassee River	Lat 44°07'44", long 84°13'41", in SE1/4 SE1/4 sec.16, T.20 N., R.02 E., Gladwin County, at Herner Rd., 10.0 miles south of West Branch, MI.	---	05-06-58 06-17-58 08-24-84	19.7 8.62 9.58
04152040	West Branch Tittabawassee River	Tittabawassee River	Lat 44°10'29", long 84°24'06", in SE1/4 SW1/4 sec.26, T.21 N., R.01 W., Roscommon County, at Greenwood Rd., 11.0 miles southwest of West Branch, MI.	28.8	05-07-58 06-17-58 07-10-58 09-18-64 11-05-64 06-21-65 02-03-66 08-23-84	29.1 24.7 26.9 20.4 24.3 25.0 31.6 23.0
04152045	West Branch Tittabawassee River	Tittabawassee River	Lat 44°07'53", long 84°24'07", in NE1/4 NW1/4 sec.14, T.20 N., R.01 W., Gladwin County, at Sugar River Rd., 15.0 miles southwest of West Branch, MI.	41.7	11-05-64	29.7
04152047	West Branch Tittabawassee River	Tittabawassee River	Lat 44°06'17", long 84°23'15", in SE1/4 SE1/4 sec.23, T.20 N., R.01 W., Gladwin County, at Fitzwater Rd., 2.3 miles northeast of Hockaday, MI.	42.7	08-23-84	27.6
04152050	Sugar River	Tittabawassee River	Lat 44°06'23", long 84°25'37", in NE1/4 SE1/4 sec.21, T.20 N., R.01 W., Gladwin County, at Hockaday Rd., 9.3 miles north of Gladwin, MI.	20.0	05-15-68 09-16-68 09-12-75 11-13-75 06-16-76 08-13-76	27.9 16.1 35.9 22.0 28.2 16.8
04152054	Sugar River	Tittabawassee River	Lat 44°03'35", long 84°23'17", in SE1/4 SE1/4 sec.02, T.19 N., R.01 W., Gladwin County, at end of Breaut Rd., 7.1 miles northeast of Gladwin, MI.	---	09-12-75 11-13-75 06-16-76 08-13-76	51.3 26.8 29.6 17.8
04152055	Sugar River	Tittabawassee River	Lat 44°03'26", long 84°22'58", in NW1/4 NW1/4 sec.12, T.19 N., R.01 W., Gladwin County, 0.6 miles downstream of end of Breaut Rd., 7.5 miles northeast of Gladwin, MI.	67.0	05-07-58 06-17-58 07-11-58 09-18-64 11-05-64 06-21-65	22.5 15.0 14.5 12.5 21.4 16.1
04152057	Sugar River	Tittabawassee River	Lat 44°02'03", long 84°22'02", in SE1/4 SE1/4 sec.13, T.19 N., R.01 W., Gladwin County, at State Hwy. M-30, 7.0 miles northeast of Gladwin, MI.	70.3	09-21-60 08-23-84	22.0 15.1
04152070	Molasses River	Tittabawassee River	Lat 43°58'42", long 84°16'37", in SE1/4 NW1/4 sec.07, T.18 N., R.02 E., Gladwin County, at State Hwy. M-61, 10.5 miles east of Gladwin, MI.	46.0	05-08-58 06-18-58 06-25-58 08-23-84	14.2 3.30 9.69 1.57
04152075	Little Molasses River	Molasses River	Lat 43°56'58", long 84°17'11", in SW1/4 NW1/4 sec.19, T.18 N., R.02 E., Gladwin County, 0.1 mile upstream of mouth, 10.0 miles southeast of Gladwin, MI.	---	05-06-58 06-18-58	13.0 5.10
04152078	Lorrabee Creek	Tittabawassee River	Lat 43°54'12", long 84°19'38", in SE1/4 SE1/4 sec.03, T.17 N., R.01 E., Gladwin County, at Wieman Rd., 3.4 miles southeast of Winegars, MI.	11.2	08-23-84	0.09
04152080	Tittabawassee River	Saginaw River	Lat 43°48'22", long 84°23'10", in NW1/4 SW1/4 sec.01, T.16 N., R.01 W., Midland County, at State Hwy. M-30, 0.5 mile north of Edenville, MI.	---	11-06-74	1700

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04152090	Elm Creek	South Branch Tobacco River	Lat 43°51'27", long 84°54'46", in SE1/4 SE1/4 sec.16, T.17 N., R.05 W., Clare County, at U.S. Hwy. 10, 2.8 miles northwest of Farwell, MI.	---	09-16-60	3.40
					10-19-60	1.44
					03-15-61	1.90
					04-24-61	5.74
					05-26-61	2.28
					07-18-61	1.34
					10-16-61	1.41
					03-29-62	21.2
					05-02-62	19.4
					10-15-62	1.20
					11-27-62	0.97
R 04152095	Elm Creek	South Branch Tobacco River	Lat 43°50'36", long 84°54'40", in SE1/4 SE1/4 sec.21, T.17 N., R.05 W., Clare County, at Maple Grove Rd., 2.3 miles west of Farwell, MI.	5.44	09-23-58	1.97
R 04152100	South Branch Tobacco River	Tobacco River	Lat 43°50'04", long 84°53'23", in NE1/4 SE1/4 sec.27, T.17 N., R.05 W., Clare County, 0.7 mile downstream of Elm Creek, 1.2 miles west of Farwell, MI.	13.6	09-23-58	5.23
R 04152105	Overton Creek	South Branch Tobacco River	Lat 43°50'36", long 84°52'46", in SW1/4 SE1/4 sec.23, T.17 N., R.05 W., Clare County, at Maple Grove Rd., 0.8 mile northwest of Farwell, MI.	3.74	09-23-58	1.90
R 04152110	South Branch Tobacco River	Tobacco River	Lat 43°49'48", long 84°50'16", in SW1/4 SE1/4 sec.30, T.17 N., R.04 W., Clare County, 0.4 mile upstream of Newton Creek, 1.5 miles east of Farwell, MI.	33.6	09-23-58	18.6
R 04152115	Loon Lake Creek	Newton Creek	Lat 43°54'04", long 84°49'47", in NE1/4 NE1/4 sec.06, T.17 N., R.04 W., Clare County, 0.2 mile downstream of Loon Lake, 5.0 miles north of Farwell, MI.	13.0	09-23-58	2.37
R 04152120	Unnamed tributary	Loon Lake Creek	Lat 43°53'48", long 84°50'15", in SW1/4 NE1/4 sec.06, T.17 N., R.04 W., Clare County, 0.2 mile upstream of mouth, 5.0 miles north of Farwell, MI.	5.20	09-23-58	1.02
04152125	Newton Creek	South Branch Tobacco River	Lat 43°52'48", long 84°51'18", in SW1/4 NE1/4 sec.12, T.17 N., R.05 W., Clare County, 50 feet upstream of abandoned fish hatchery, 3.1 miles north of Farwell, MI.	---	09-04-79	12.8
R 04152130	Newton Creek	South Branch Tobacco River	Lat 43°52'21", long 84°51'13", in SW1/4 SE1/4 sec.12, T.17 N., R.05 W., Clare County, 0.8 miles upstream of Runyon Creek, 2.8 miles north of Farwell, MI.	31.1	09-23-58	11.8
					09-19-60	23.3
					10-18-60	14.8
					03-15-61	19.6
					04-24-61	39.6
					05-26-61	20.7
					07-18-61	9.78
					10-16-61	13.8
					03-29-62	55.4
					05-02-62	82.9
					10-15-62	17.4
					11-17-62	16.8
R 04152135	Runyon Creek	Newton Creek	Lat 43°52'28", long 84°53'24", in SE1/4 SE1/4 sec.10, T.17 N., R.05 W., Clare County, at Finley Lake Ave., 2.9 miles northwest of Farwell, MI.	---	09-19-60	4.26
					10-19-60	2.41
					03-15-61	2.37
					04-24-61	3.30
					05-26-61	2.63
					07-18-61	1.05
					10-16-61	2.15
					05-02-62	6.72
					10-15-62	2.69
					11-27-62	2.36
R 04152140	Runyon Creek	Newton Creek	Lat 43°52'07", long 84°52'29", in NW1/4 NE1/4 sec.14, T.17 N., R.05 W., Clare County, 0.4 mile upstream of Lake Thirteen, 2.3 miles north of Farwell, MI.	5.07	09-23-58	4.01
R 04152145	Newton Creek	South Branch Tobacco River	Lat 43°51'28", long 84°51'00", in SE1/4 SE1/4 sec.13, T.17 N., R.05 W., Clare County, at Surrey Rd., 1.7 miles northeast of Farwell, MI.	40.1	09-23-58	10.5
					09-04-79	20.9

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
R 04152150	Newton Creek	South Branch Tobacco River	Lat 43°50'56", long 84°50'28", in NE1/4 SW1/4 sec.19, T.17 N., R.04 W., Clare County, at Kipplinger Rd., 1.6 miles northeast of Farwell, MI.	---	09-04-79	24.5
R 04152155	Newton Creek	South Branch Tobacco River	Lat 43°49'57", long 84°50'00", in NE1/4 SE1/4 sec.30, T.17 N., R.04 W., Clare County, at Old U.S. Hwy. 10, 0.2 mile above mouth, 1.6 miles east of Farwell, MI.	43.7	09-23-58	23.2
					09-22-60	27.5
					10-18-60	23.4
					03-16-61	32.4
					04-24-61	61.7
					05-26-61	37.7
					07-18-61	19.8
					10-16-61	24.8
					03-29-62	76.0
					05-03-62	104
					10-15-62	30.0
					11-27-62	24.0
					09-04-79	27.0
04152170	South Branch Tobacco River	Tobacco River	Lat 43°49'38", long 84°48'23", in NW1/4 NW1/4 sec.33, T.17 N., R.04 W., Clare County, at U.S. Hwy. 10, 2.0 miles west of Clare, MI.	77.7	09-23-58	33.7
04152175	Five Lakes Creek	South Branch Tobacco River	Lat 43°50'12", long 84°49'08", in SE1/4 NW1/4 sec.29, T.17 N., R.04 W., Clare County, at Rock Rd., 2.8 miles northwest of Clare, MI.	6.84	09-23-58	0.62
04152180	South Branch Tobacco River	Tobacco River	Lat 43°49'50", long 84°46'05", in SE1/4 SE1/4 sec.27, T.17 N., R.04 W., Clare County, at Old U.S. Hwy. 27, 0.9 miles north of Clare, MI.	88.0	09-23-58	34.6
04152181	South Branch Tobacco River	Tobacco River	Lat 43°49'50", long 84°45'09", in SE1/4 SE1/4 sec.26, T.17 N., R.04 W., Clare County, at Lake Shamrock Dam, at Clare, MI.	---	08-09-76	52.8
04152182	South Branch Tobacco River	Tobacco River	Lat 43°49'45", long 84°44'53", in NW1/4 NW1/4 sec.36, T.17 N., R.04 W., Clare County, at Eberhart Ave., at Clare, MI.	58.0	07-20-64	37.8
					07-21-64	46.0
					07-29-64	34.8
					08-12-64	31.3
					08-19-64	31.5
					08-26-64	34.0
					09-09-64	33.1
					09-17-64	26.9
					09-24-64	64.8
					09-29-64	44.1
					09-26-79	38.0
04152185	Little Tobacco Drain	South Branch Tobacco River	Lat 43°49'19", long 84°44'54", in SW1/4 NW1/4 sec.36, T.17 N., R.04 W., Clare County, at Eberhart Ave., 1.0 mile east of Clare, MI.	10.5	09-23-58	1.02
04152190	South Branch Tobacco River	Tobacco River	Lat 43°49'38", long 84°43'42", in NW1/4 NW1/4 sec.31, T.17 N., R.03 W., Clare County. at Cornwell Ave., 2.0 miles east of Clare, MI.	103	09-23-58	45.3
04152193	McCuran Creek	Sanford Creek	Lat 43°52'23", long 84°44'05", in SW1/4 SE1/4 sec.12, T.17 N., R.04 W., Clare County, at Beaverton Rd., 4.0 miles north of Clare, MI.	---	09-20-60	1.36
					03-15-61	2.22
					04-24-61	8.66
					05-26-61	1.91
					07-18-61	0.31
					10-17-61	0.59
					03-27-62	28.2
					05-03-62	29.0
					10-16-62	1.78
					11-28-62	1.10
04152197	Sanford Creek	South Branch Tobacco River	Lat 43°51'42", long 84°44'53", in SW1/4 SW1/4 sec.13, T.17 N., R.04 W., Clare County, at Eberhart Ave., 3.2 miles north of Clare, MI.	4.16	09-23-58	1.75
					09-20-60	2.64
					03-16-61	2.75
					04-24-61	14.0
					05-26-61	2.67
					07-18-61	1.19
					10-17-61	1.80
					03-27-62	27.5
					05-03-62	21.5
					10-16-62	3.75
					11-28-62	1.90

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04152200	Sanford Creek	South Branch Tobacco River	Lat 43°50'38", long 84°43'44", in SE1/4 SE1/4 sec.24, T.17 N., R.04 W., Clare County, at Colonville Rd., 2.6 miles northeast of Clare MI.	9.92	09-23-58	3.01
					09-20-60	7.44
					10-20-60	4.90
					03-16-61	11.4
					04-25-61	28.9
					05-24-61	6.10
					07-18-61	3.05
					10-17-61	3.94
					03-27-62	92.5
					05-03-62	99.6
					10-16-62	8.37
					11-28-62	6.01
04152205	South Branch Tobacco River	Tobacco River	Lat 43°49'47", long 84°41'13", in NW1/4 NW1/4 sec.33, T.17 N., R.03 W., Clare County, at Brand Ave., 4.1 miles east of Clare, MI.	123	09-23-58	45.3
04152210	Unnamed tributary	South Branch Tobacco River	Lat 43°50'38", long 84°40'10", in NE1/4 NE1/4 sec.28, T.17 N., R.03 W., Clare County, at Colonville Rd., 3.5 miles north of Loomis, MI.	4.57	09-23-58	0.34
					09-22-60	0.45
					04-25-61	4.49
					05-24-61	0.35
					07-18-61	0.23
					10-17-61	0.26
					03-27-62	19.7
					05-03-62	24.0
					10-16-62	0.44
					11-28-62	0.33
04152215	South Branch Tobacco River	Tobacco River	Lat 43°50'43", long 84°39'17", in SW1/4 SE1/4 sec.22, T.17 N., R.03 W., Clare County, at Tobacco Dr., 3.6 miles north of Loomis, MI.	131	09-23-58	47.0
04152220	South Branch Tobacco River	Tobacco River	Lat 43°50'39", long 84°37'28", in SW1/4 SW1/4 sec.24, T.17 N., R.03 W., Clare County, off Oak Rd., 1.0 mile above Bailey Creek, 4.0 miles northeast of Loomis, MI.	135	09-23-58	54.6
04152225	Bailey Creek	South Branch Tobacco River	Lat 43°51'31", long 84°37'52", in SE1/4 SE1/4 sec.14, T.17 N., R.03 W., Clare County, at Surrey Rd., 4.8 miles north of Loomis, MI.	12.1	09-23-58	0.80
04152230	South Branch Tobacco River	Tobacco River	Lat 43°51'17", long 84°35'10", in SW1/4 NW1/4 sec.20, T.17 N., R.02 W., Gladwin County, at Bard Rd., 5.3 miles west of Beaverton, MI.	149	05-08-58	65.6
					06-16-58	49.6
					09-23-58	67.0
					10-29-58	26.6
04152235	Rilett Drain	South Branch Tobacco River	Lat 43°51'50", long 84°35'10", in NE1/4 SE1/4 sec.18, T.17 N., R.02 W., Gladwin County, at Bard Rd., 5.0 miles west of Beaverton, MI.	---	09-22-60	0.01
					04-25-61	2.89
					05-24-61	0.25
					07-18-61	0.05
					10-16-61	0.13
					03-26-62	17.5
					05-04-62	3.19
					10-16-62	0.27
					11-28-62	0.19
04152238	South Branch Tobacco River	Tobacco River	Lat 43°52'01", long 84°32'43", in SW1/4 NW1/4 sec.15, T.17 N., R.02 W., Gladwin County, at Grout Rd., 3.2 miles southwest of Beaverton, MI.	160	09-21-60	73.7
					10-18-60	48.4
					03-15-61	99.0
					04-24-61	297
					05-24-61	85.0
					07-17-61	43.4
					10-17-61	52.3
					03-26-62	823
					05-04-62	713
					10-16-62	80.7
					11-28-62	72.8
					08-22-67	99.8
					08-09-76	68.2
04152240	Lyle Drain	South Branch Tobacco River	Lat 43°51'29", long 84°32'16", in NE1/4 NW1/4 sec.22, T.17 N., R.02 W., Gladwin County, at Dale Rd., 3.0 miles southwest of Beaverton, MI.	---	09-22-60	0.03
					05-24-61	0.48
					07-17-61	0.09
					10-17-61	0.18
					03-26-62	46.2
					05-04-62	33.8
					10-16-62	0.53
					11-28-62	0.17

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04152250	Middle Branch Tobacco River	Tobacco River	Lat 43°55'46", long 84°46'06", in NE1/4 NE1/4 sec.27, T.18 N., R.04 W., Clare County, at Old U.S. Hwy. 27, 7.5 miles north of Clare, MI.	---	03-16-61	3.61
					04-24-61	4.89
					05-25-61	4.04
					07-18-61	2.93
					10-17-61	2.46
					05-03-62	4.66
					10-16-62	4.90
					11-27-62	3.80
04152255	Middle Branch Tobacco River	Tobacco River	Lat 43°55'53", long 84°44'52", in SW1/4 SW1/4 sec.24, T.18 N., R.04 W., Clare County, at Eberhart Ave., 3.6 miles east of Hatton, MI.	7.71	09-23-58	8.77
04152258	Middle Branch Tobacco River	Tobacco River	Lat 43°55'42", long 84°43'41", in NE1/4 NE1/4 sec.25, T.18 N., R.04 W., Clare County, at Cornwell Ave., 7.9 miles north of Clare, MI.	---	09-20-60	12.9
					03-16-61	13.5
					04-25-61	17.6
					05-25-61	10.9
					07-17-61	10.1
					10-17-61	9.93
					03-29-62	21.6
					05-03-62	31.3
					10-17-62	11.5
					11-29-62	11.3
04152262	Clear Creek	Middle Branch Tobacco River	Lat 43°56'31", long 84°43'40", in NE1/4 NE1/4 sec.24, T.18 N., R.04 W., Clare County, at Cornwell Ave., 8.9 miles north of Clare, MI.	---	09-20-60	3.04
					03-16-61	3.09
					04-24-61	4.16
					05-25-61	2.85
					07-17-61	2.26
					10-16-61	2.64
					03-26-62	5.96
					05-03-62	6.21
					10-17-62	3.32
					11-29-62	2.95
04152265	Middle Branch Tobacco River	Tobacco River	Lat 43°55'07", long 84°41'58", in SE1/4 SE1/4 sec.30, T.18 N., R.03 W., Clare County, at Rogers Ave., 5.6 miles east of Hatton, MI.	16.4	09-23-58	13.3
					09-20-60	19.9
					10-20-60	14.8
					03-16-61	16.6
					04-25-61	24.6
					05-25-61	14.7
					07-17-61	12.6
					10-17-61	12.8
					03-27-62	29.9
					05-03-62	49.2
					10-17-62	13.9
					11-29-62	14.0
04152270	Unnamed tributary	Middle Branch Tobacco River	Lat 43°54'49", long 84°42'06", in NE1/4 NW1/4 sec.32, T.18 N., R.03 W., Clare County, 150 feet upstream of mouth, 5.9 miles east of Hatton, MI.	3.12	09-23-58	0.46
04152275	Middle Branch Tobacco River	Tobacco River	Lat 43°55'48", long 84°39'59", in NE1/4 NE1/4 sec.28, T.18 N., R.03 W., Clare County, at Athey Ave., 9.6 miles west of Beaverton, MI.	23.1	09-23-58	17.6
					09-21-60	19.2
					10-19-60	19.9
					03-16-61	21.9
					04-25-61	40.7
					05-25-61	18.5
					07-17-61	12.9
					10-17-61	16.1
					03-27-62	101
					05-04-62	78.5
					10-17-62	21.1
					11-29-62	20.1
04152280	Middle Branch Tobacco River	Tobacco River	Lat 43°54'43", long 84°37'34", in SE1/4 NE1/4 sec.35, T.18 N., R.03 W., Clare County, at Hoover Ave., 7.3 miles west of Beaverton, MI.	27.9	09-23-58	18.4
					09-21-60	21.6
					10-19-60	18.8
					03-15-61	26.6
					04-25-61	47.6
					05-25-61	19.8
					07-17-61	16.2
					10-17-61	18.5
					03-26-62	177
					05-04-62	95.6
					10-17-62	22.5
					11-29-62	19.6
04152285	Middle Branch Tobacco River	Tobacco River	Lat 43°53'50", long 84°35'07", in SW1/4 NW1/4 sec.05, T.17 N., R.02 W., Gladwin County, at Bard Rd., 5.2 miles west of Beaverton, MI.	31.3	09-23-58	17.8

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04152290	Middle Branch Tobacco River	Tobacco River	Lat 43°53'20", long 84°31'30", in SW1/4 SW1/4 sec.02, T.17 N., R.02 W., Gladwin County, at McCulloch Rd., 2.0 miles west of Beaverton, MI.	33.8	05-08-58	23.0
					06-16-58	19.1
					09-23-58	17.9
					10-29-58	10.6
					09-21-60	24.9
					10-19-60	20.2
					03-15-61	29.8
					04-25-61	58.9
					05-24-61	21.7
					07-17-61	20.1
					10-17-61	20.4
					03-26-62	233
					05-04-62	149
					10-16-62	23.6
					11-28-62	16.6
					11-04-65	35.6
					08-22-67	23.0
					08-09-76	23.8
04152298	Jose Creek	North Branch Tobacco River	Lat 44°00'36", long 84°45'38", in SE1/4 NW1/4 sec.26, T.19 N., R.04 W., Clare County, at Mostetler Rd., 2.1 miles east of Harrison, MI.	11.8	09-23-58	0.06
04152300	Jose Creek	North Branch Tobacco River	Lat 43°59'13", long 84°44'47", in NW1/4 NW1/4 sec.01, T.18 N., R.04 W., Clare County, at State Hwy. M-61, 3.7 miles southeast of Harrison, MI.	22.7	09-23-58	7.97
					06-10-70	8.14
					08-24-71	7.09
04152305	Mostellar Creek	Jose Creek	Lat 44°00'37", long 84°44'09", in SW1/4 NE1/4 sec.25, T.19 N., R.04 W., Clare County, at Mostetler Rd., 3.4 miles east of Harrison, MI.	3.61	09-23-58	1.49
04152310	Unnamed tributary	Mostellar Creek	Lat 44°00'31", long 84°44'19", in NE1/4 SW1/4 sec.25, T.19 N., R.04 W., Clare County, 1.1 miles downstream of Sand Lake, 3.0 miles east of Harrison, MI.	0.38	09-23-58	0.16
04152315	Mostellar Creek	Jose Creek	Lat 43°59'14", long 84°44'25", in NE1/4 NW1/4 sec.01, T.18 N., R.04 W., Clare County, at State Hwy. M-61, 3.8 miles southeast of Harrison, MI.	---	09-23-58	4.75
					06-10-70	8.43
					08-24-71	3.62
04152320	Beaver Creek	North Branch Tobacco River	Lat 43°57'59", long 84°44'25", in NE1/4 SW1/4 sec.12, T.18 N., R.04 W., Clare County, at Monroe Rd., 4.7 miles southeast of Harrison, MI.	1.70	09-23-58	3.72
04152325	Beaver Creek	North Branch Tobacco River	Lat 43°58'08", long 84°44'06", in SW1/4 NE1/4 sec.12, T.18 N., R.04 W., Clare County, 30 feet upstream of mouth, 4.7 miles southeast of Harrison, MI.	---	08-24-71	3.25
04152330	North Branch Tobacco River	Tobacco River	Lat 43°58'02", long 84°43'40", in SE1/4 NE1/4 sec.12, T.18 N., R.04 W., Clare County, at Cornwell Ave., 5.2 miles southeast of Harrison, MI.	32.6	09-23-58	17.6
					06-10-70	23.3
					08-24-71	17.4
04152332	North Branch Tobacco River	Tobacco River	Lat 43°57'41", long 84°42'24", in SE1/4 SE1/4 sec.07, T.18 N., R.03 W., Clare County, at Rogers Ave., 6.2 miles southeast of Harrison, MI.	---	09-20-60	27.7
					10-20-60	21.6
					04-25-61	39.9
					05-25-61	22.9
					07-17-61	16.1
					10-16-61	20.5
					03-29-62	64.2
					05-03-62	72.2
					10-17-62	22.2
					11-29-62	22.7
					08-24-71	18.7
04152334	Spike Horn Creek	North Branch Tobacco River	Lat 43°57'42", long 84°41'50", in SE1/4 SW1/4 sec.08, T.18 N., R.03 W., Clare County, just upstream of mouth, 6.6 miles southeast of Harrison, MI.	11.0	09-23-58	1.22

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04152337	North Branch Tobacco River	Tobacco River	Lat 43°57'34", long 84°41'28", in SE1/4 SE1/4 sec.08, T.18 N., R.03 W., Clare County, at Mannsiding Rd., 7.0 miles southeast of Harrison, MI.	46.3	09-23-58	25.1
					09-21-60	31.4
					10-20-60	26.6
					04-25-61	65.0
					05-25-61	34.6
					07-17-61	22.0
					10-16-61	28.8
					03-27-62	110
					05-04-62	123
					10-17-62	30.0
					11-29-62	29.3
04152340	North Branch Tobacco River	Tobacco River	Lat 43°57'15", long 84°39'59", in SE1/4 NE1/4 sec.16, T.18 N., R.03 W., Clare County, at Athey Ave., 7.5 miles southeast of Harrison, MI.	47.0	06-10-70	35.8
04152345	North Branch Tobacco River	Tobacco River	Lat 43°57'29", long 84°38'47", in NW1/4 NW1/4 sec.14, T.18 N., R.03 W., Clare County, at Bailey Lake Ave., 8.8 miles southeast of Harrison, MI.	50.7	09-23-58	28.8
04152350	North Branch Tobacco River	Tobacco River	Lat 43°57'13", long 84°38'07", in SW1/4 NE1/4 sec.14, T.18 N., R.03 W., Clare County, at County Road 439, 9.5 miles southeast of Harrison, MI.	53.0	06-10-70	44.3
04152353	North Branch Tobacco River	Tobacco River	Lat 43°55'53", long 84°37'25", in SW1/4 SW1/4 sec.24, T.18 N., R.03 W., Clare County, 2.2 miles upstream of Howe Creek, 7.7 miles northwest of Beaverton, MI.	55.5	09-23-58	30.6
04152360	North Branch Tobacco River	Tobacco River	Lat 43°55'27", long 84°35'07", in SE1/4 NE1/4 sec.30, T.18 N., R.02 W., Gladwin County, at Bard Rd., 5.8 miles northwest of Beaverton, MI.	59.4	05-08-58	41.9
					06-16-58	31.3
					09-23-58	30.0
					10-29-58	16.8
					09-17-64	26.8
					11-04-64	57.1
					06-21-65	35.2
04152365	North Branch Tobacco River	Tobacco River	Lat 43°54'57", long 84°33'22", in NE1/4 NW1/4 sec.33, T.18 N., R.02 W., Gladwin County, just downstream of Price Drain, 4.2 miles northwest of Beaverton, MI.	65.8	09-23-58	31.6
R 04152390	North Branch Tobacco River	Tobacco River	Lat 43°54'07", long 84°31'19", in NW1/4 NW1/4 sec.02, T.17 N., R.02 W., Gladwin County, at Calhoun Rd., 2.3 miles northwest of Beaverton, MI.	71.6	09-23-58	35.4
					08-22-67	65.8
					08-09-76	41.9
04152420	Cedar River	Tobacco River	Lat 44°01'00", long 84°34'15", in SE1/4 SE1/4 sec.20, T.19 N., R.02 W., Gladwin County, at Eagleson Rd., 5.0 miles south of Skeels, MI.	96.1	06-18-58	54.3
					09-17-64	45.2
					11-04-64	82.3
					06-21-65	62.6
04152430	Cedar River	Tobacco River	Lat 43°58'50", long 84°29'46", in NE1/4 SW1/4 sec.01, T.18 N., R.02 W., Gladwin County, at State Hwy. M-61, at Gladwin, MI.	---	08-09-76	77.9
04152450	Cedar River	Tobacco River	Lat 43°54'56", long 84°28'44", in NE1/4 NW1/4 sec.31, T.18 N., R.01 W., Gladwin County, at Howard Rd., 2.3 miles north of Beaverton, MI.	140	08-22-67	112
					08-09-76	79.9
04152500	Tobacco River	Tittabawassee River	Lat 43°52'43", long 84°28'18", in NW1/4 SE1/4 sec.07, T.17 N., R.01 W., Gladwin County, at former gaging station at Glidden Rd., at Beaverton, MI.	487	08-23-84	146
04152600	Little Cedar River	Tobacco River	Lat 43°51'27", long 84°24'16", in SW1/4 SW1/4 sec.14, T.17 N., R.01 W., Gladwin County, at Dale Rd., 1.6 miles east of Dale, MI.	24.4	08-23-84	0.00

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04153300	Tittabawassee River	Saginaw River	Lat 43°40'37", long 84°22'57", in SE1/4 NW1/4 sec.24, T.15 N., R.01 W., Midland County, 600 feet downstream from Sanford Dam, at Sanford, MI.	1020	08-28-84	37.2
04153400	South Branch Salt River	Salt River	Lat 43°40'11", long 84°38'47", in SW1/4 SW1/4 sec.23, T.15 N., R.03 W., Isabella County, at Leaton Rd., 8.0 miles southeast of Rosebush, MI.	49.6	08-31-65	5.60
04153510	Salt River	Tittabawassee River	Lat 43°40'49", long 84°23'39", in NW1/4 NE1/4 sec.23, T.15 N., R.01 W., Midland County, at highway bridge, 0.6 mile upstream of mouth, 0.8 mile northwest of Sanford, MI.	175	05-04-67	132
					07-13-67	51.8
					09-14-67	10.9
					10-03-67	19.9
04153600	West Branch Chippewa River	Chippewa River	Lat 43°43'08", long 85°10'56", in NW1/4 SW1/4 sec.05, T.15 N., R.07 W., Mecosta County, at Winchester Dam, 2.5 miles southwest of Barryton, MI.	---	06-14-50	11.4
					07-11-50	7.22
					08-23-50	0.91
					09-26-50	68.5
					10-23-50	1.90
					11-14-50	13.6
					12-05-50	21.5
					01-16-51	25.6
					02-06-51	17.6
					03-16-51	60.6
					04-16-51	81.9
					05-14-51	38.9
					06-11-51	14.5
					07-30-51	7.00
					08-16-51	6.41
					09-18-51	15.1
					10-18-51	20.6
					11-29-51	43.9
					12-14-51	39.6
					01-09-52	42.8
					02-21-52	45.4
					03-27-52	98.2
					04-17-52	168
					05-23-52	28.6
					06-16-52	8.58
					07-17-52	14.6
					08-11-52	23.2
					10-01-52	6.18
					10-23-52	1.91
					11-06-52	10.1
					12-02-52	23.6
					01-06-53	22.2
					02-05-53	21.2
					03-16-53	96.5
					04-03-53	55.2
					05-11-53	62.2
					06-03-53	22.4
					07-09-53	9.13
					08-05-53	13.3
					09-10-53	8.66
					10-15-53	11.5
					11-12-53	12.9
					12-10-53	17.5
					01-08-54	17.7
					02-03-54	15.9
					03-04-54	37.8
					04-09-54	70.3
					05-07-54	68.0
					06-09-54	38.9
					07-08-54	23.9
					08-04-54	11.1
					10-07-54	43.2
					01-13-55	27.8
					04-04-55	56.1
					07-07-55	2.09
04153750	Chippewa River	Tittabawassee River	Lat 43°38'23", long 85°00'02", in SE1/4 SW1/4 sec.35, T.15 N., R.06 W., Isabella County, at Base Line Rd., 3.5 miles southwest of Weidman, MI.	---	02-04-66	122
04153760	Chippewa River	Tittabawassee River	Lat 43°39'07", long 84°59'16", in NE1/4 NE1/4 sec.35, T.15 N., R.06 W., Isabella County, at Coldwater Rd., 2.5 miles south of Weidman, MI.	---	10-19-82	77.0
					11-02-82	232

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04153800	Chippewa River	Tittabawassee River	Lat 43°35'49", long 84°56'36", in NW1/4 NW1/4 sec.20, T.14 N., R.05 W., Isabella County, at State Hwy. M-20, 8.8 miles west of Mount Pleasant, MI.	359	06-22-65	95.2
04153850	North Branch Chippewa River	Chippewa River	Lat 43°41'01", long 84°51'39", in SE1/4 SW1/4 sec.13, T.15 N., R.05 W., Isabella County, at Weidman Rd., 3.4 miles northeast of Beal City, MI.	42.4	06-22-65	6.50
04153900	North Branch Chippewa River	Chippewa River	Lat 43°35'49", long 84°51'16", in NW1/4 NE1/4 sec.24, T.14 N., R.05 W., Isabella County, at State Hwy. M-20, 4.0 miles west of Mount Pleasant, MI.	73.0	07-11-58 10-29-58 11-04-64	15.2 8.53 24.9
04153985	Chippewa River	Tittabawassee River	Lat 43°35'15", long 84°48'28", in NE1/4 SE1/4 sec.20, T.14 N., R.04 W., Isabella County, at Lincoln Rd., 2.6 miles southwest of Mount Pleasant, MI.	400	11-05-64 06-22-65	206 134
04153990	Mission Creek	Chippewa River	Lat 43°37'17", long 84°47'18", in SE1/4 NE1/4 sec.09, T.14 N., R.04 W., Isabella County, at Crawford Rd., 1.3 miles north of Mount Pleasant, MI.	---	09-17-51 10-18-51	0.47 3.77
04154100	Salt Creek	Chippewa River	Lat 43°31'28", long 84°41'00", in SW1/4 SW1/4 sec.09, T.13 N., R.03 W., Isabella County, at Blanchard Rd., at Shepherd, MI.	---	11-04-69	11.2
04154105	Salt Creek	Chippewa River	Lat 43°31'41", long 84°39'26", in NW1/4 SE1/4 sec.10, T.13 N., R.03 W., Isabella County, at South Vroman Rd., 1.5 miles east of Shepherd, MI.	---	09-26-79	4.40
04154110	Salt Creek	Chippewa River	Lat 43°31'40", long 84°38'50", in SW1/4 SW1/4 sec.11, T.13 N., R.03 W., Isabella County, at Wise Rd., 2.3 miles east of Shepherd, MI.	---	11-04-69	13.6
04154200	Pony Creek	Pine River	Lat 43°34'20", long 85°00'24", in NE1/4 SE1/4 sec.27, T.14 N., R.06 W., Isabella County, at South Brinton Rd., 5.0 miles northeast of Blanchard, MI.	---	02-04-66	2.20
04154595	Pine River	Chippewa River	Lat 43°27'59", long 84°56'50", in SE1/4 SE1/4 sec.31, T.13 N., R.05 W., Isabella County, 5.1 miles northwest of Vestaburg, MI.	---	06-20-72	40.4
04154600	Pine River	Chippewa River	Lat 43°27'57", long 84°56'43", in NW1/4 NW1/4 sec.05, T.12 N., R.05 W., Montcalm County, near S. Isabella Co. Line and Littlefield Rds., 5.0 miles northwest of Vestaburg, MI.	95.5	06-22-65 02-04-66 06-22-66 07-07-66 08-09-66 08-25-66 10-17-66 10-28-66	28.3 49.9 45.8 29.5 27.5 34.3 49.9 28.9
04154605	Pine River	Chippewa River	Lat 43°27'33", long 84°56'28", in SW1/4 NW1/4 sec.05, T.12 N., R.05 W., Montcalm County, at Schmeid Rd., 4.5 miles northwest of Vestaburg, MI.	---	03-23-66 03-28-67	207 415
04154610	Pine River	Chippewa River	Lat 43°26'15", long 84°56'04", in SW1/4 SE1/4 sec.08, T.12 N., R.05 W., Montcalm County, at Tamarack Rd., 3.0 miles northwest of Vestaburg, MI.	---	03-17-67 06-20-72	70.4 43.2
R 04154612	Wolf Creek	Pine River	Lat 43°25'23", long 84°57'01", in SE1/4 SE1/4 sec.18, T.12 N., R.05 W., Montcalm County, at Pine Grove Rd., 2.7 miles northwest of Vestaburg, MI.	---	03-17-67	40.0

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04154615	Pine River	Chippewa River	Lat 43°26'00", long 84°54'21", in SE1/4 NE1/4 sec.16, T.12 N., R.05 W., Montcalm County, at Crystal Rd., 2.4 miles north of Vestaburg, MI.	---	06-20-72	65.1
04154620	Pine River	Chippewa River	Lat 43°25'57", long 84°51'57", in SW1/4 NW1/4 sec.13, T.12 N., R.05 W., Montcalm County, at Douglass Rd., 3.0 miles northeast of Vestaburg, MI.	---	06-20-72	67.7
04154900	Pine River	Chippewa River	Lat 43°21'02", long 84°41'28", in SW1/4 SE1/4 sec.08, T.11 N., R.03 W., Gratiot County, at Harrison Rd., 2.8 miles southwest of Alma, MI.	---	05-07-52	153
R 04154950	Honeyoey Creek	Pine River	Lat 43°22'18", long 84°41'43", in NW1/4 SE1/4 sec.05, T.11 N., R.03 W., Gratiot County, at Van Buren Rd., 2.0 miles west of Alma, MI.	---	05-07-52	23.8
04155005	Pine River	Chippewa River	Lat 43°24'42", long 84°36'27", in SW1/4 SW1/4 sec.19, T.12 N., R.02 W., Gratiot County, downstream of high school foot bridge, at St. Louis, MI.	---	08-29-74 08-29-74 09-03-74	210 152 136
04155030	Bush Creek	Pine River	Lat 43°30'24", long 84°28'03", in NW1/4 NW1/4 sec.20, T.13 N., R.01 W., Midland County, 0.3 mile north of Porter Rd., 6.0 miles northeast of St. Louis, MI.	---	09-03-74	0.72
04155995	Tittabawassee River	Saginaw River	Lat 43°36'35", long 84°14'31", in NE1/4 NW1/4 sec.21, T.14 N., R.02 E., Midland County, at Poseyville Rd., at Midland, MI.	---	08-18-74	501
04156010	Lingle Drain	Tittabawassee River	Lat 43°35'04", long 84°12'30", in SE1/4 SE1/4 sec.27, T.14 N., R.02 E., Midland County, at mouth, 2.7 miles southeast of Midland, MI.	---	08-18-74 08-31-82	19.1 5.91
04156200	Tittabawassee River	Saginaw River	Lat 43°33'52", long 84°11'14", in SW1/4 NW1/4 sec.01, T.13 N., R.02 E., Midland County, at Smiths Crossing Road. at Mapleton, MI.	2450	08-25-65 08-31-65 09-07-65 10-01-65 11-05-65 12-02-65 12-14-65 05-04-71 08-18-74 08-31-82	386 543 504 1180 623 3170 9370 1210 509 394
04156500	Tittabawassee River	Saginaw River	Lat 43°31'30", long 84°07'32", in NW1/4 NW1/4 sec.21, T.13 N., R.03 E., Saginaw County, at West Freeland Rd., at Freeland, MI.	2530	09-04-57	370
04156505	Tittabawassee River	Saginaw River	Lat 43°28'51", long 84°05'32", in SE1/4 SE1/4 sec.34, T.13 N., R.03 E., Saginaw County, near Tittabawassee Rd., 3.0 miles west of Lawndale, MI.	---	08-18-74	550
04156510	Tittabawassee River	Saginaw River	Lat 43°23'37", long 84°00'54", in NW1/4 NW1/4 sec.04, T.11 N., R.04 E., Saginaw County, at Center Rd., 1.1 miles southwest of Saginaw, MI.	---	04-28-76 06-24-76 12-06-83 02-22-84 06-13-84	11700 1100 1510 6270 1090
04156990	Saginaw River	Lake Huron	Lat 43°23'17", long 83°57'55", in SW1/4 NE1/4 sec.02, T.11 N., R.04 E., Saginaw County, at Wickes Park, at Saginaw, MI.	6060	06-07-66	1460
R 04157010	Saginaw River	Lake Huron	Lat 43°26'02", long 83°56'30", in NW1/4 NE1/4 sec.24, T.12 N., R.04 E., Saginaw County, at Genesee Ave., at Saginaw, MI.	---	10-21-43 03-03-44 06-28-44	1700 9460 1530

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04157036	Kochville Drain	Saginaw River	Lat 43°30'04", long 83°57'18", in SW1/4 NW1/4 sec.25, T.13 N., R.04 E., Saginaw County, at Liberty Rd., 2.4 miles northwest of Zilwaukee, MI.	---	04-14-72	4.40
					04-26-72	1.20
04157059	Saginaw River	Lake Huron	Lat 43°35'47", long 83°53'37", in SW1/4 SW1/4 sec.21, T.14 N., R.05 E., Bay County, at U.S. Hwy. 25(business route), at Bay City, MI.	---	03-30-50	39800
04157077	Watercourse Creek	Durussell Drain	Lat 43°27'51", long 83°42'06", in NE1/4 NE1/4 sec.12, T.12 N., R.06 E., Saginaw County, at Hack Rd., 1.0 mile northwest of Reese, MI.	---	05-02-84	2.41
04157080	Squaw Creek	Durussell Drain	Lat 43°28'35", long 83°41'54", in NW1/4 NW1/4 sec.06, T.12 N., R.07 E., Tuscola County, at Reese Rd., 1.8 miles north of Reese, MI.	---	05-02-84	2.40
04157083	Durussell Drain	Quanicassee River	Lat 43°28'53", long 83°42'32", in NE1/4 SW1/4 sec.36, T.13 N., R.06 E., Bay County, at Merkel Rd., 3.9 miles southeast of Murger, MI.	---	05-02-84	8.87
04157085	Durussell Drain	Quanicassee River	Lat 43°30'28", long 83°42'32", in NW1/4 NE1/4 sec.25, T.13 N., R.06 E., Bay County, at Brown Rd., 3.7 miles southeast of Munger, MI.	---	05-02-84	8.21
04157088	Unnamed tributary	Durussell Drain	Lat 43°31'21", long 83°41'56", in SW1/4 SW1/4 sec.18, T.13 N., R.07 E., Tuscola County, at State Hwy. M-138, 4.1 miles east of Munger, MI.	---	05-02-84	2.31
04157090	Durussell Drain	Quanicassee River	Lat 43°31'21", long 83°42'32", in SW1/4 SE1/4 sec.13, T.13 N., R.06 E., Bay County, at State Hwy. M-138, 3.5 miles east of Munger, MI.	---	05-02-84	4.58
04157500	Sebewaing River (State Drain)	Lake Huron	Lat 43°42'43", long 83°25'40", in SE1/4 SW1/4 sec.16, T.15 N., R.09 E., Huron County, at Rescue Rd., 1.4 miles southeast of Sebewaing, MI.	62.0	07-31-73	1.80
					11-21-73	4.39
					12-17-73	10.1
					03-08-74	186
					03-29-74	11.8
					04-11-74	53.4
					04-25-74	13.2
					05-09-74	27.9
					05-24-74	33.0
					06-20-74	16.5
					07-26-74	0.67
					10-23-74	0.44
					11-22-74	2.26
					12-20-74	8.90
					01-16-75	28.5
					02-20-75	3.00
					03-13-75	8.72
					03-26-75	102
					04-11-75	188
					04-24-75	62.8
					05-08-75	26.0
					05-22-75	257
					06-25-75	10.4
04158000	East Fork Sebewaing River (Columbia Drn.)	Sebewaing River	Lat 43°43'38", long 83°23'46", in SE1/4 SE1/4 sec.10, T.15 N., R.09 E., Huron County, at Gettel Rd., 2.5 miles east of Sebewaing, MI.	38.0	07-31-73	0.54
					11-21-73	3.49
					03-08-74	86.6
					03-29-74	2.85
					04-11-74	27.6
					04-25-74	6.16
					05-09-74	11.4
					05-24-74	12.0
					06-20-74	9.25
					07-26-74	0.38
					09-26-74	0.11

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04158000	East Fork Sebewaing River (Columbia Drn.)	Sebewaing River	Continued		10-23-74	1.11
					11-22-74	3.24
					12-20-74	5.28
					03-13-75	5.27
					03-27-75	41.5
					04-11-75	113
					04-24-75	32.3
					05-08-75	11.1
					05-22-75	270
					06-25-75	4.69
04159005	Pigeon River	Lake Huron	Lat 43°55'03", long 83°14'36", in SE1/4 SE1/4 sec.01, T.17 N., R.10 E., Huron County, at Limerick Rd., 2.1 miles southeast of Caseville, MI.	---	05-21-73	4.76
					11-21-73	16.2
					12-17-73	25.6
					02-14-74	20.9
					03-08-74	516
					03-29-74	60.0
					04-11-74	118
					04-25-74	42.5
					05-09-74	62.7
					05-21-74	85.0
					06-21-74	70.7
					07-26-74	6.09
					08-16-74	2.17
					09-26-74	1.72
					10-12-74	2.72
					10-23-74	9.28
					11-22-74	12.3
					12-12-74	25.1
					01-16-75	84.2
					02-20-75	18.4
					03-13-75	65.3
					03-27-75	443
					04-11-75	253
					04-24-75	127
					05-08-75	66.0
					05-22-75	980
					06-25-75	21.7
04159015	Bad Axe Drain	Bad Axe Creek	Lat 43°48'35", long 82°59'12", in NE1/4 NE1/4 sec.19, T.16 N., R.13 E., Huron County, at upstream side of Pit Rd., at Bad Axe, MI.	---	05-21-75	3.02
					07-07-75	0.35
04159017	Bad Axe Drain	Bad Axe Creek	Lat 43°48'36", long 82°59'13", in SW1/4 SE1/4 sec.18, T.16 N., R.13 E., Huron County, at downstream side of Pit Rd., at Bad Axe, MI.	---	05-21-75	3.68
04159020	Bad Axe Creek	Pinnebog River	Lat 43°50'15", long 83°01'29", in NE1/4 NE1/4 sec.11, T.16 N., R.12 E., Huron County, at Richardson Rd., 2.8 miles northwest of Bad Axe, MI.	---	05-21-75	7.59
					07-07-75	1.55
04159025	Bad Axe Creek	Pinnebog River	Lat 43°51'44", long 83°02'32", in NW1/4 NW1/4 sec.35, T.17 N., R.12 E., Huron County, at Thomas Rd., 4.8 miles northwest of Bad Axe, MI.	---	07-07-75	2.08
04159030	Bad Axe Creek	Pinnebog River	Lat 43°52'52", long 83°06'08", in SE1/4 SE1/4 sec.19, T.17 N., R.12 E., Huron County, at Pinnebog Rd., 3.8 miles south of Pinnebog, MI.	---	05-21-75	17.5
					07-07-75	1.78
04159035	Bad Axe Creek	Pinnebog River	Lat 43°53'09", long 83°07'22", in SW1/4 NW1/4 sec.19, T.17 N., R.12 E., Huron County, at Grassmere Rd., 3.6 miles southwest of Pinnebog, MI.	---	05-20-75	7.47
04159045	Pinnebog River	Lake Huron	Lat 43°55'14", long 83°07'32", in NE1/4 NE1/4 sec.12, T.17 N., R.11 E., Huron County, at Limerick Rd., 1.5 miles southwest of Pinnebog, MI.	---	09-29-73	2.37
					10-12-73	2.00
					11-21-73	8.70
					12-17-73	26.1
					02-14-74	38.9
					03-08-74	419
					03-29-74	55.8
					04-11-74	108
					04-25-74	40.5
					05-09-74	65.4
					05-24-74	73.0
					06-20-74	24.7
					07-26-74	3.34

Table 6.--Discharge measurements of Lower Peninsula streams tributary to Lake Huron--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04159045	Pinnebog River	Lake Huron	Continued		08-16-74	1.47
					09-26-74	0.95
					10-23-74	2.30
					11-22-74	18.0
					12-20-74	39.2
					01-16-75	82.8
					02-20-75	36.5
					03-13-75	55.6
					04-11-75	331
					06-17-76	8.74
					12-08-76	1.08
					11-30-77	92.5
					06-19-78	122
04159050	Pinnebog River	Lake Huron	Lat 43°59'05", long 83°06'55", in NW1/4 SE1/4 sec.18, T.18 N., R.12 E., Huron County, 7.0 miles southwest of Port Austin, MI.	---	07-11-63	0.00
					10-18-63	0.00
04159053	Schram Branch	Pinnebog River	Lat 43°57'08", long 83°00'20", in NW1/4 NW1/4 sec.31, T.18 N., R.13 E., Huron County, at State Hwy. M-53, 0.9 mile north of Kinde, MI.	---	02-16-72	0.21
04159055	North Branch Schram Drain	Schram Drain	Lat 43°59'37", long 83°03'27", in NW1/4 NE1/4 sec.15, T.18 N., R.12 E., Huron County, at Kennedy Rd., 5.0 miles northwest of Kinde, MI.	---	10-18-63	0.00
04159060	South Branch Schram Drain	Schram Drain	Lat 43°58'48", long 83°04'10", in SE1/4 SE1/4 sec.16, T.18 N., R.12 E., Huron County, at Witherspoon Rd., 4.5 miles northwest of Kinde, MI.	---	10-18-63	0.00
04159070	New River	Lake Huron	Lat 44°02'06", long 82°51'46", in NE1/4 SW1/4 sec.32, T.19 N., R.14 E., Huron County, at State Hwy. M-25, 1.5 miles northwest of Huron City, MI.	---	10-18-63	0.00
04159080	Willow Creek	Lake Huron	Lat 44°01'42", long 82°50'16", in NW1/4 NE1/4 sec.04, T.18 N., R.14 E., Huron County, at State Hwy. M-25, at Huron City, MI.	---	07-11-63	0.10
					10-18-63	0.20
					11-21-73	22.0
					12-17-73	19.7
					02-14-74	18.4
					03-08-74	273
					03-29-74	26.5
					04-11-74	75.9
					04-25-74	23.8
					05-09-74	41.9
					05-24-74	37.1
					06-20-74	21.1
					07-26-74	0.64
					10-23-74	0.81
					11-22-74	28.5
					12-20-74	25.8
					01-16-75	48.5
					02-20-75	42.5
					03-13-75	37.3
					03-27-75	163
					04-11-75	192
					04-24-75	96.1
					05-08-75	59.6
					05-22-75	17.6
					06-25-75	5.82

Table 7.--Discharge measurements of Lower Peninsula streams tributary to St. Clair River

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04159134	Black River	St. Clair River	Lat 43°34'57", long 82°48'43", in SW1/4 sec.03, T.13 N., R.14 E., Sanilac County, at Mills Rd., 5.5 miles northwest of Deckerville, MI.	21.7	05-16-67 08-01-67	8.38 1.54
04159135	Carrol Drain	Black River	Lat 43°32'48", long 82°47'43", in SW1/4 sec.23, T.13 N., R.14 E., Sanilac County, at Stringer Rd., 3.3 miles northwest of Deckerville, MI.	10.7	05-16-67 08-01-67	6.58 0.98
04159140	Bishop Creek	Black River	Lat 43°33'17", long 82°47'08", in SE1/4 sec.14, T.13 N., R.14 E., Sanilac County, at Stone Rd., 3.0 miles northwest of Deckerville, MI.	9.91	05-16-67 08-01-67	1.82 0.55
04159145	Black River	St. Clair River	Lat 43°31'32", long 82°46'07", in SW1/4 sec.25, T.13 N., R.14 E., Sanilac County, at Deckerville Rd., 1.6 miles west of Deckerville, MI.	56.4	05-16-67 08-01-67 07-30-84	23.7 4.46 1.60
04159150	Black River	St. Clair River	Lat 43°28'03", long 82°45'09", in SW1/4 sec.18, T.12 N., R.15 E., Sanilac County, at Snover Rd., 4.2 miles south of Deckerville, MI.	77.6	05-16-67 08-01-67	26.5 6.69
04159170	Berry Drain	Black River	Lat 43°27'12", long 82°45'07", in SE1/4 sec.24, T.12 N., R.14 E., Sanilac County, at Range Line Rd., 4.3 miles northwest of Carsonville, MI.	17.2	05-16-67 08-01-67	3.88 3.21
04159175	Fye Drain	Berry Drain	Lat 43°27'25", long 82°45'07", in SW1/4 sec.19, T.12 N., R.15 E., Sanilac County, at Range Line Rd., 4.2 miles northwest of Carsonville, MI.	10.1	08-01-67	1.60
04159177	Black River	St. Clair River	Lat 43°25'29", long 82°43'19", in NE1/4 NW1/4 sec.05, T.11 N., R.15 E., Sanilac County, at State Hwy. M-46, 4.5 miles east of Sandusky, MI.	120	07-30-84	5.07
04159180	Black River	St. Clair River	Lat 43°25'22", long 82°42'42", in NW1/4 sec.04, T.11 N., R.15 E., Sanilac County, at Church Rd., 2.0 miles west of Carsonville, MI.	126	05-16-67 08-01-67	37.8 14.9
04159190	Elk Creek	Black River	Lat 43°13'43", long 82°54'41", in NW1/4 sec.11, T.09 N., R.13 E., Sanilac County, at Brooks Rd., 4.0 miles northeast of Brown City, MI.	23.9	05-16-67 08-01-67	2.15 0.22
04159200	Elk Creek	Black River	Lat 43°17'33", long 82°50'33", in SE1/4 sec.16, T.10 N., R.14 E., Sanilac County, at Paldi Rd., 2.5 miles northwest of Peck, MI.	39.4	05-16-67 08-01-67	5.52 2.20
04159202	East Branch Speaker-Maple Valley Drain	Elk Creek	Lat 43°17'18", long 82°50'19", in SE1/4 sec.21, T.10 N., R.14 E., Sanilac County, at Paldi Rd., 1.8 miles northwest of Peck, MI.	19.9	05-16-67 08-01-67	2.55 1.15
04159210	Elk Creek	Black River	Lat 43°20'02", long 82°49'11", in NE1/4 sec.03, T.10 N., R.14 E., Sanilac County, at Marlette Rd., at Watertown, MI.	95.2	05-16-67 08-01-67	15.3 5.28
04159215	Frizzle Drain	Elk Creek	Lat 43°20'45", long 82°48'58", in NE1/4 sec.33, T.11 N., R.14 E., Sanilac County, at Morris Rd., at Watertown, MI.	16.9	05-16-67 08-01-67	2.39 1.40
04159222	Potts Drain	Elk Creek	Lat 43°17'22", long 82°44'51", in SW1/4 sec.17, T.10 N., R.15 E., Sanilac County, at Hall Rd., 4.1 miles northeast of Peck, MI.	13.5	05-16-67 08-01-67	2.07 0.09

Table 7.--Discharge measurements of Lower Peninsula streams tributary to St. Clair River--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04159223	Spring Creek Drain	Potts Drain	Lat 43°15'22", long 82°49'01", in NW1/4 NE1/4 sec.34, T.10 N., R.14 E., Sanilac County, at Mill St., at Peck, MI.	---	02-08-77	0.08
04159224	Spring Creek Drain	Potts Drain	Lat 43°15'31", long 82°48'44", in SE1/4 SE1/4 sec.27, T.10 N., R.14 E., Sanilac County, at Peck Rd., at Peck, MI.	---	02-08-77	0.20
04159225	Potts Drain	Elk Creek	Lat 43°19'07", long 82°44'15", in NE1/4 sec.08, T.10 N., R.15 E., Sanilac County, at Aitken Rd., 5.8 miles southwest of Applegate, MI.	34.0	05-16-67	10.4
					08-01-67	2.42
04159230	Elk Creek	Black River	Lat 43°21'59", long 82°43'38", in NW1/4 sec.29, T.11 N., R.15 E., Sanilac County, at French Line Rd., 4.7 miles west of Applegate, MI.	177	05-16-67	29.9
					08-01-67	12.2
04159235	Elk Creek	Black River	Lat 43°22'55", long 82°42'52", in NW1/4 NE1/4 sec.20, T.11 N., R.15 E., Sanilac County, at Walker Rd., 3.0 miles southwest of Carsonville, MI.	178	07-30-84	8.47
04159240	Elk Creek	Black River	Lat 43°23'47", long 82°42'21", in SW1/4 sec.09, T.11 N., R.15 E., Sanilac County, at Washington Rd., 3.0 miles southwest of Carsonville, MI.	---	07-11-63	2.00
					10-18-63	1.00
04159250	Black River	St. Clair River	Lat 43°21'18", long 82°38'57", in NE1/4 sec.35, T.11 N., R.15 E., Sanilac County, at Applegate Rd., at Applegate, MI.	333	05-16-67	82.0
					08-01-67	36.0
04159265	Black River	St. Clair River	Lat 43°17'35", long 82°38'05", in NE1/4 NE1/4 sec.19, T.10 N., R.16 E., Sanilac County, at Rosch Rd., 1.0 mile northwest of Croswell, MI.	---	07-30-84	23.1
04159270	Arnot Creek	Black River	Lat 43°17'19", long 82°38'11", in NE1/4 sec.19, T.10 N., R.16 E., Sanilac County, at Black River Rd., at Croswell, MI.	13.0	05-16-67	2.87
					08-01-67	1.36
04159290	Black River	St. Clair River	Lat 43°15'37", long 82°37'14", in SE1/4 NW1/4 sec.32, T.10 N., R.16 E., Sanilac County, 0.3 miles south of State Hwy. M-90, at Croswell, MI.	369	03-19-69	245
					03-20-69	263
					03-26-69	404
					06-18-69	35.0
					10-29-73	52.3
					10-30-73	128
04159292	Black River	St. Clair River	Lat 43°15'02", long 82°37'00", in SE1/4 SW1/4 sec.32, T.10 N., R.16 E., Sanilac County, at Sheridan Line Rd., 1.8 miles south of Croswell, MI.	---	12-10-73	158
04159300	Black River	St. Clair River	Lat 43°13'24", long 82°36'49", in SE1/4 sec.08, T.09 N., R.16 E., Sanilac County, at end of Burns Line Rd., 4.0 miles south of Croswell, MI.	376	07-05-56	37.2
					07-16-56	68.4
					08-07-56	26.2
					09-10-56	32.2
					09-11-56	24.4
					09-21-56	14.6
					10-02-56	11.9
					11-06-56	9.05
					12-13-56	18.5
					01-10-57	13.3
					07-19-57	30.4
					08-24-57	16.4
					09-18-57	13.3
					10-16-57	6.65
					08-09-58	14.2
					09-04-58	19.5
					10-13-58	6.38
					11-19-58	17.4
					12-16-58	3.27
					01-19-59	9.90
					07-07-59	13.7

Table 7.--Discharge measurements of Lower Peninsula streams tributary to St. Clair River--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04159300	Black River	St. Clair River	Continued		08-03-59	21.7
					09-09-59	27.2
					10-05-59	18.2
					07-13-60	27.1
					08-09-60	38.0
					09-08-60	12.0
					10-05-60	12.9
					11-15-60	9.87
					07-11-61	15.8
					08-09-61	72.4
					09-13-61	15.8
					10-10-61	18.2
					11-15-61	32.7
					07-10-62	16.5
					09-04-62	13.7
					10-08-62	12.4
					11-06-62	34.2
					11-06-62	32.3
					12-11-62	73.3
					01-14-63	24.4
					07-11-63	8.24
					08-08-63	7.91
					08-22-63	9.68
					08-27-63	7.89
					09-06-63	3.26
					10-16-63	3.53
					11-19-63	37.8
					12-18-63	4.32
					01-14-64	9.01
					07-16-64	11.2
					08-12-64	9.96
					09-21-64	8.63
					10-29-64	7.41
					11-28-64	7.83
					12-01-64	9.64
					12-15-64	20.8
					05-12-65	231
					07-07-65	88.5
					08-18-65	7.97
					09-09-65	7.87
					10-05-65	8.10
					11-09-65	7.77
					12-09-65	13.7
					01-06-66	136
					08-10-66	24.0
					09-07-66	18.4
					10-04-66	12.3
					11-10-66	88.2
					12-14-66	258
					05-16-67	95.2
					06-08-67	182
					08-01-67	44.9
					08-09-67	56.0
					09-14-67	18.6
					10-05-67	26.9
					11-07-67	298
					12-05-67	102
					07-16-68	32.5
					08-13-68	21.4
					09-19-68	12.0
					10-15-68	11.7
					11-19-68	31.7
					12-18-68	36.8
					01-15-69	18.7
					07-07-69	110
					08-05-69	21.5
					09-17-69	9.16
					10-07-69	19.1
					11-06-69	13.2
					12-09-69	19.4
					06-10-70	23.2
					08-20-70	21.3
					09-15-70	11.6
					10-20-70	34.6
					11-18-70	56.6
					12-08-70	106
					07-07-71	13.1
					08-03-71	10.2
					09-08-71	11.3
					10-06-71	5.56
					11-03-71	5.49
					12-01-71	16.2
					08-10-72	15.6
					09-21-72	9.62
					10-25-72	93.6
					12-07-72	38.9
					07-05-73	147
					08-09-73	91.7

Table 7.--Discharge measurements of Lower Peninsula streams tributary to St. Clair River--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04059300	Black River	St. Clair River	Continued		09-12-73	13.6
					10-16-73	19.3
					11-14-73	31.0
					07-30-74	21.2
					09-12-74	11.6
					10-18-74	11.4
					11-20-74	16.8
					10-01-75	12.5
					11-07-75	19.5
					12-11-75	117
					11-09-76	17.3
04159445	Black Creek	Black River	Lat 43°10'52", long 82°42'42", in SE1/4 sec.28, T.09 N., R.15 E., Sanilac County, at Comstock Rd., 1.7 miles southeast of Roseburg, MI.	9.60	05-16-67	2.01
					08-01-67	1.02
04159470	Black Creek	Black River	Lat 43°12'04", long 82°39'55", in NW1/4 sec.24, T.09 N., R.15 E., Sanilac County, at Fargo Rd., 4.0 miles east of Roseburg, MI.	28.2	05-16-67	3.96
					08-01-67	1.54
04159480	Black Creek	Black River	Lat 43°12'45", long 82°37'35", in NW1/4 SW1/4 sec.17, T.09 N., R.16 E., Sanilac County, at Black River Rd., 4.8 miles south of Croswell, MI.	50.4	08-01-67	3.37
					12-10-73	16.6
04159481	Black River	St. Clair River	Lat 43°12'32", long 82°36'52", in SW1/4 SE1/4 sec.17, T.09 N., R.16 E., Sanilac County, at Gardner Line Rd., 1.7 miles northwest of Amadore, MI.	---	10-29-73	48.0
					10-30-73	97.2
04159482	Black River	St. Clair River	Lat 43°11'37", long 82°37'20", in SW1/4 SW1/4 sec.20, T.09 N., R.16 E., Sanilac County, at Galbraith Rd., 1.8 miles west of Amadore, MI.	430	07-30-84	31.3
04159483	Black River	St. Clair River	Lat 43°09'53", long 82°37'19", in SW1/4 sec.32, T.09 N., R.16 E., Sanilac County, at Fisher Rd., 1.7 miles northwest of Jeddo, MI.	435	03-19-69	230
					03-20-69	250
					03-26-69	593
					06-18-69	41.8
04159487	Silver Creek	Black River	Lat 43°08'04", long 82°39'42", in SE1/4 sec.11, T.08 N., R.15 E., St. Clair County, at Yale Rd., 2.5 miles north of Fargo, MI.	18.5	08-05-71	0.08
04159490	Silver Creek	Black River	Lat 43°08'58", long 82°38'08", in NW1/4 sec.07, T.08 N., R.16 E., St. Clair County, at Jeddo Rd., 2.7 miles west of Jeddo, MI.	26.8	05-16-67	1.59
					08-01-67	0.19
R 04159499	Plum Creek	Black River	Lat 43°06'58", long 82°37'13", in NE1/4 sec.19, T.08 N., R.16 E., St. Clair County, at Graham Rd., 2.0 miles west of Blaine, MI.	11.2	05-16-67	1.33
					08-01-67	0.41
04159500	Black River	St. Clair River	Lat 43°05'32", long 82°37'05", in NW1/4 sec.32, T.08 N., R.16 E., St. Clair County, at Norman Rd., 2.1 miles east of Fargo, MI.	480	08-01-67	59.2
04159510	O'Dette Drain	Black River	Lat 43°04'07", long 82°38'12", in SE1/4 sec.06, T.07 N., R.16 E., St. Clair County, on Kingsley Rd., 2.1 miles southeast of Fargo, MI.	1.00	08-05-71	0.00
04159700	Elk Lake Creek	North Branch Mill Creek	Lat 43°05'09", long 83°04'31", in SE1/4 sec.29, T.08 N., R.12 E., Lapeer County, at State Hwy. M-53, 4.1 miles north of Imlay City, MI.	23.2	05-16-67	11.0
					08-01-67	3.64
04159750	North Branch Mill Creek	Mill Creek	Lat 43°07'33", long 83°02'02", in SE1/4 sec.10, T.08 N., R.12 E., Lapeer County, at Brown City Rd., 2.9 miles northeast of Goodland, MI.	46.4	05-16-67	18.1
					08-01-67	6.30

Table 7.--Discharge measurements of Lower Peninsula streams tributary to St. Clair River--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04159800	North Branch Mill Creek	Mill Creek	Lat 43°07'23", long 82°53'38", in NW1/4 sec.13, T.08 N., R.13 E., St. Clair County, at Mason Rd., 5.0 miles west of Yale, MI.	70.5	05-16-67	26.2
					07-31-67	8.21
04159850	South Branch Mill Creek	Mill Creek	Lat 43°05'02", long 82°55'32", in NW1/4 sec.34, T.08 N., R.13 E., St. Clair County, at Norman Rd., 5.0 miles north of Capac, MI.	24.6	05-16-67	4.89
					07-31-67	1.13
04159865	Lovejoy Drain	South Branch Mill Creek	Lat 43°05'04", long 82°52'36", in SE1/4 sec.25, T.08 N., R.13 E., St. Clair County, at Norman Rd., 5.7 miles northeast of Capac, MI.	4.00	08-05-71	0.00
04159875	Middleton Drain	Mill Creek	Lat 43°07'44", long 82°50'36", in SE1/4 sec.08, T.08 N., R.14 E., St. Clair County, at Yale Rd., 2.2 miles west of Yale, MI.	3.00	08-05-71	0.00
04159880	South Branch Mill Creek	Mill Creek	Lat 43°06'32", long 82°53'52", in NE1/4 sec.23, T.08 N., R.13 E., St. Clair County, at Fulton Rd., 5.0 miles west of Yale, MI.	48.1	05-16-67	11.8
					08-01-67	1.51
04159890	Mill Creek	Black River	Lat 43°08'38", long 82°49'07", in NW1/4 sec.10, T.08 N., R.14 E., St. Clair County, at Jeddo Rd., 1.4 miles northwest of Yale, MI.	146	05-16-67	47.9
					07-31-67	13.0
04159891	Mill Creek	Black River	Lat 43°07'48", long 82°48'04", in NE1/4 sec.15, T.08 N., R.14 E., St. Clair County, at Yale Rd., at Yale, MI.	---	04-04-61	26.8
					04-04-61	26.9
					04-06-61	26.6
					04-11-61	33.1
					04-12-61	33.8
					04-18-61	79.4
					04-25-61	254
					05-03-61	103
					07-05-61	3.95
					08-21-61	3.56
					07-10-63	1.10
04159893	Mill Creek	Black River	Lat 43°06'03", long 82°47'45", in SW1/4 sec.23, T.08 N., R.14 E., St. Clair County, at Wilkes Rd., 2.0 miles south of Yale, MI.	152	08-05-71	1.87
04159895	Sheehy Drain	Mill Creek	Lat 43°05'38", long 82°48'22", in NE1/4 sec.27, T.08 N., R.14 E., St. Clair County, at Connell Rd., 2.2 miles south of Yale, MI.	6.00	08-05-71	0.00
04159898	Mill Creek	Black River	Lat 43°04'22", long 82°45'56", in SW1/4 sec.36, T.08 N., R.14 E., St. Clair County, at Metcalf Rd., at Brockway, MI.	162	08-05-71	2.52
04159900	Mill Creek	Black River	Lat 43°03'16", long 82°44'05", in NW1/4 sec.08, T.07 N., R.15 E., St. Clair County, at Bricker Rd., 0.2 mile upstream of Gleason Drain, 2.3 miles west of Avoca, MI.	169	05-16-67	50.0
					08-01-67	14.2
					07-16-79	28.9
					08-27-79	5.89
04159950	Mill Creek	Black River	Lat 43°02'23", long 82°41'10", in NE1/4 sec.16, T.07 N., R.15 E., St. Clair County, at Kilgore Rd., 1.5 miles south of Avoca, MI.	178	08-05-71	3.59
04160000	Mill Creek	Black River	Lat 43°02'42", long 82°36'50", in NW1/4 sec.17, T.07 N., R.16 E., St. Clair County, at former gaging station at Abbotsford Rd., 0.5 mile northwest of Ruby, MI.	208	05-16-67	63.9
					08-01-67	21.6
					08-05-71	5.20
					07-30-84	9.91
04160050	Black River	St. Clair River	Lat 42°59'24", long 82°32'16", in NW1/4 sec.02, T.06 N., R.16 E., St. Clair County, at Wadhams Rd., 0.3 mile northeast of Wadhams, MI.	684	05-16-67	216
					08-01-67	90.2
					07-30-84	83.3

Table 7.--Discharge measurements of Lower Peninsula streams tributary to St. Clair River--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04160070	Howe Drain	Black River	Lat 43°01'31", long 82°27'03", in NW1/4 sec.27, T.07 N., R.17 E., St. Clair County, at Krafft Rd., 2.0 miles southeast of Gardendale, MI.	9.50	05-15-67 08-01-67	3.04 0.20
04160075	Black River	St. Clair River	Lat 42°59'40", long 82°26'42", in NE1/4 NE1/4 sec.04, T.06 N., R.17 E., St. Clair County, at westbound bridge, I-94 expressway, at Port Huron, MI.	---	08-17-73	572
04160170	Pine River	St. Clair River	Lat 43°01'18", long 82°43'57", in SW1/4 sec.20, T.07 N., R.15 E., St. Clair County, at Bricker Rd., 2.0 miles southeast of Brockway, MI.	6.89	05-15-67 07-31-67	1.25 0.33
04160180	Emmet Drain	Pine River	Lat 43°01'11", long 82°43'57", in SW1/4 sec.20, T.07 N., R.15 E., St. Clair County, at Bricker Rd., 2.2 miles southeast of Brockway, MI.	7.58	05-15-67 07-31-67	0.80 0.09
04160195	Pine River	St. Clair River	Lat 43°01'17", long 82°39'12", in SE1/4 sec.23, T.07 N., R.15 E., St. Clair County, at Fargo Rd., 1.0 mile west of Abbotsford, MI.	23.0	05-15-67 07-31-67	5.16 0.87
04160200	Pine River	St. Clair River	Lat 42°59'29", long 82°36'47", in SE1/4 sec.31, T.07 N., R.16 E., St. Clair County, at State Hwy. M-21, 2.6 miles east of Goodells, MI.	33.1	05-15-67 07-31-67	8.45 1.63
04160300	South Branch Pine River	Pine River	Lat 42°58'52", long 82°42'15", in NW1/4 SW1/4 sec.04, T.06 N., R.15 E., St. Clair County, at Webb Rd., 2.0 miles west of Goodells, MI.	10.7	05-16-67 08-01-67 08-05-71	1.85 0.76 0.32
04160303	South Branch Pine River	Pine River	Lat 42°58'43", long 82°40'50", in SW1/4 sec.03, T.06 N., R.15 E., St. Clair County, at Wales Center Rd., 0.7 mile west of Goodells, MI.	15.8	08-05-71	0.50
04160310	Appley Drain	South Branch Pine River	Lat 42°57'21", long 82°39'50", in NW1/4 sec. 14, T. 06N, R. 15E, St. Clair County at Goodells Rd., 1.9 miles south of Goodells, MI.	9.14	05-15-67	0.78
04160317	Moore Creek	Appley Drain	Lat 42°57'57", long 82°39'52", in SW1/4 sec.11, T.06 N., R.15 E., St. Clair County, at Goodells Rd., 1.0 mile south of Goodells, MI.	5.20	05-15-67 07-31-67	1.29 0.30
04160320	South Branch Pine River	Pine River	Lat 42°58'18", long 82°38'15", in NW1/4 sec.12, T.06 N., R.15 E., St. Clair County, at Castor Rd., 1.6 miles southeast of Goodells, MI.	33.4	05-16-67 07-31-67 08-05-71	7.50 2.65 0.76
04160323	Heaton Drain	South Branch Pine River	Lat 42°58'33", long 82°38'28", in NW1/4 sec.12, T.06 N., R.15 E., St. Clair County, at Kitchen Rd., 1.2 miles southeast of Goodells, MI.	5.30	08-05-71	0.00
04160325	Pine River	St. Clair River	Lat 42°56'53", long 82°34'02", in NE1/4 sec.21, T.06 N., R.16 E., St. Clair County, at Dove Rd., 3.0 miles southwest of Wadhams, MI.	84.2	05-15-67 07-31-67	29.6 6.16
04160332	Big Creek	Pine River	Lat 42°56'53", long 82°33'39", in SW1/4 sec.15, T.06 N., R.16 E., St. Clair County, at Dove Rd., 2.8 miles southwest of Wadhams, MI.	7.32	05-15-67 07-31-67	3.74 0.04
04160340	Smiths Creek	Pine River	Lat 42°55'42", long 82°37'16", in NW1/4 sec.30, T.06 N., R.16 E., St. Clair County, at Hayer Rd., 1.3 miles northwest of Smiths Creek, MI.	11.6	05-16-67 08-01-67	1.92 0.44

Table 7.--Discharge measurements of Lower Peninsula streams tributary to St. Clair River--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04160346	Smiths Creek	Pine River	Lat 42°53'17", long 82°35'02", in NE1/4 sec.08, T.05 N., R.16 E., St. Clair County, at Frith Rd., 1.9 miles southeast of Smiths Creek, MI.	20.3	05-15-67	4.70
					07-31-67	0.41
04160350	Pine River	St. Clair River	Lat 42°52'49", long 82°34'04", in NE1/4 sec.09, T.05 N., R.16 E., St. Clair County, at Gratiot Rd., 1.9 miles northeast of Rattle Run, MI.	135	05-15-67	47.6
					07-31-67	6.86
					12-03-73	36.3
					03-06-74	2360
					06-25-74	7.04
					07-30-74	2.09
					09-12-74	1.50
					10-18-74	2.21
					11-20-74	7.04
					07-21-75	3.76
					09-30-75	9.88
					11-06-75	13.0
					03-04-76	1750
					06-04-76	15.4
					07-08-76	27.8
					08-13-76	2.95
					10-15-76	2.00
					11-10-76	4.00
					06-07-77	3.28
					08-16-77	1.17
					10-25-77	2.88
					07-11-78	2.36
					08-08-78	0.77
					09-06-78	0.34
					10-11-78	1.31
					11-15-78	2.66
					07-16-79	24.4
					09-26-79	0.59
					10-02-79	0.66
					05-14-80	79.7
					07-08-80	6.23
					09-10-80	2.66
					10-22-80	12.2
					11-26-80	6.84
					07-28-81	3.99
					09-02-81	27.0
04160387	Rattle Run	Pine River	Lat 42°51'53", long 82°39'29", in NE1/4 sec.15, T.05 N., R.15 E., St. Clair County, at Hessen Rd., at Columbus, MI.	9.25	05-15-67	1.07
					07-31-67	0.01
04160388	Rattle Run	Pine River	Lat 42°51'54", long 82°36'08", in SE1/4 sec.18, T.05 N., R.16 E., St. Clair County, at U.S. Hwy. 25, at Rattle Run, MI.	15.9	08-05-71	0.00
04160390	Rattle Run	Pine River	Lat 42°51'48", long 82°35'48", in SW1/4 sec.17, T.05 N., R.16 E., St. Clair County, at Rattle Run Rd., at Rattle Run, MI.	19.5	05-15-67	2.66
					07-31-67	0.03
04160393	Pine River	St. Clair River	Lat 42°52'17", long 82°33'28", in NW1/4 NW1/4 sec.15, T.05 N., R.16 E., St. Clair County, at Wadhams Rd., 2.2 miles east of Rattle Run, MI.	---	08-15-73	5.93
04160395	Moak Drain	Pine River	Lat 42°52'35", long 82°32'48", in SE1/4 sec.10, T.05 N., R.16 E., St. Clair County, at Klettner Rd., 4.3 miles east of Rattle Run, MI.	3.74	05-15-67	1.29
					07-31-67	0.00
04160400	Pine River	St. Clair River	Lat 42°50'17", long 82°32'22", in SE1/4 sec.27, T.05 N., R.16 E., St. Clair County, at Vine Rd., 3.0 miles northwest of St. Clair, MI.	173	05-15-67	49.4
					07-31-67	7.58
04160550	Belle River	St. Clair River	Lat 42°56'47", long 83°06'26", in SE1/4 SE1/4 sec.12, T.06 N., R.11 E., Lapeer County, at Dryden Rd., 1.0 mile east of Dryden, MI.	8.22	05-15-67	4.88
					07-31-67	3.12
					07-14-75	4.18
04160551	Belle River	St. Clair River	Lat 42°57'14", long 83°06'20", in NW1/4 SW1/4 sec.07, T.06 N., R.12 E., Lapeer County, at Bishsop Rd., 1.0 mile northeast of Dryden, MI.	---	07-14-75	4.49

Table 7.--Discharge measurements of Lower Peninsula streams tributary to St. Clair River--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04160555	Belle River	St. Clair River	Lat 42°57'47", long 83°05'45", in SW1/4 sec.06, T.06 N., R.12 E., Lapeer County, at Hollow Corners Rd., 1.7 miles northeast of Dryden, MI.	---	09-16-71	0.94
04160557	Unnamed tributary	Belle River	Lat 42°58'04", long 83°06'00", in NE1/4 SE1/4 sec.01, T.06 N., R.11 E., Lapeer County, at Bishop Rd., 1.7 miles northeast of Dryden, MI.	---	09-16-71	0.10
04160559	Belle River	St. Clair River	Lat 42°58'20", long 83°05'17", in SE1/4 NE1/4 sec.06, T.06 N., R.12 E., Lapeer County, at Hall Rd., 2.6 miles northeast of Dryden, MI.	16.9	05-15-67 07-31-67 09-16-71 07-14-75	10.7 3.67 0.33 4.52
04160560	Weston Drain	Belle River	Lat 42°58'38", long 83°05'40", in SE1/4 sec.31, T. 7 N., R.12 E., Lapeer County, at Blacks Corners Rd., 2.8 miles northeast of Dryden, MI.	10.3	05-15-67 07-31-67	6.74 1.35
04160565	Belle River	St. Clair River	Lat 42°59'17", long 83°04'05", in SE1/4 NE1/4 sec.32, T.07 N., R.12 E., Lapeer County, at M-53, 2.0 miles south of Imlay City, MI.	---	05-01-63 07-12-63 10-18-63 09-17-74 08-04-82 09-08-82	13.2 0.58 1.11 2.24 2.73 1.97
04160568	North Branch Belle River	Belle River	Lat 43°01'09", long 83°06'24", in NE1/4 NE1/4 sec.24, T.07 N., R.11 E., Lapeer County, at Summers Rd., 1.0 mile southwest of Imlay City, MI.	---	08-04-82 09-08-82	1.53 1.46
04160570	North Branch Belle River	Belle River	Lat 43°01'49", long 83°04'02", in NW1/4 sec.16, T.07 N., R.12 E., Lapeer County, at gaging station at State Hwy. M-21, at Imlay City, MI.	18.0	07-10-63 05-15-67 07-31-67	0.02 9.01 2.50
04160571	North Branch Belle River	Belle River	Lat 43°00'27", long 83°03'36", in SW1/4 SW1/4 sec.21, T.07 N., R.12 E., Lapeer County, at Newark Rd., 1.0 mile southeast of Imlay City, MI.	---	08-04-82 09-08-82	3.28 2.69
04160572	Belle River	St. Clair River	Lat 42°59'31", long 83°03'53", in NW1/4 sec.33, T.07 N., R.12 E., Lapeer County, 100 feet below North Branch Belle River, near Imlay City, MI.	---	05-01-63	23.9
04160573	Unnamed tributary	Belle River	Lat 42°58'44", long 83°03'02", in SE1/4 sec.33, T.07 N., R.12 E., Lapeer County, at Ross Rd., 3.5 miles south of Imlay City, MI.	8.18	09-09-60 05-15-67 07-31-67	5.17 4.11 1.22
04160575	Belle River	St. Clair River	Lat 42°58'28", long 83°00'24", in NE1/4 sec.02, T.06 N., R.12 E., Lapeer County, at Glover Rd., 4.1 miles northeast of Almont, MI.	73.8	05-15-67 07-31-67	46.0 12.7
04160578	Belle River	St. Clair River	Lat 42°57'53", long 82°56'16", in SE1/4 NW1/4 sec.09, T.06 N., R.13 E., St. Clair County, at Capac Rd., 1.7 miles northwest of Capac, MI.	92.7	05-15-67 07-31-67 08-04-82 09-08-82	47.9 12.6 7.73 7.46
04160580	Belle River	St. Clair River	Lat 42°57'28", long 82°53'10", in SE1/4 sec.11, T.06 N., R.13 E., St. Clair County, at Berville Rd., 1.0 mile east of Lesterville, MI.	106	05-15-67 07-31-67	52.0 13.1
04160581	Belle River	St. Clair River	Lat 42°57'43", long 82°52'27", in SE1/4 sec.12, T.06 N., R.13 E., St. Clair County, near Lynch Rd., 1.6 miles east of Lesterville, MI.	108	08-06-71	4.69
04160584	Cox Doty Drain	Belle River	Lat 43°00'47", long 82°53'15", in NW1/4 sec.25, T.07 N., R.13 E., St. Clair County, at State Hwy. M-21, 2.0 miles east of Capac, MI.	3.01	05-15-67 07-31-67	0.67 0.08

Table 7.--Discharge measurements of Lower Peninsula streams tributary to St. Clair River--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04160590	Lemon Drain	Belle River	Lat 42°57'45", long 82°52'22", in NE1/4 sec.12, T.06 N., R.13 E., St. Clair County, at Hunt Rd., 1.7 miles east of Lesterville, MI.	21.5	05-15-67 07-31-67	4.11 0.25
04160592	Unnamed tributary	Belle River	Lat 42°57'17", long 82°51'21", in SW1/4 sec.07, T.06 N., R.14 E., St. Clair County, at end of Hill road, 1.0 mile northwest of Riley Center, MI.	1.50	08-06-71	0.00
04160593	Belle River	St. Clair River	Lat 42°56'44", long 82°50'31", in SE1/4 sec.18, T.06 N., R.14 E., St. Clair County, at Riley Center Rd., at Riley Center, MI.	133	08-06-71	5.66
04160595	Belle River	St. Clair River	Lat 42°55'18", long 82°48'37", in NE1/4 sec.28, T.06 N., R.14 E., St. Clair County, near Belle River Rd., 2.0 miles northwest of Memphis, MI.	149	08-06-71	4.80
04160599	Sage Creek	Belle River	Lat 42°54'00", long 82°46'25", in SW1/4 sec.35, T.06 N., R.14 E., St. Clair County, at Belle River Rd., at Memphis, MI.	8.05	05-15-67 07-31-67	0.83 0.01
04160600	Belle River	St. Clair River	Lat 42°54'03", long 82°46'09", in SE1/4 sec.35, T.06 N., R.14 E., St. Clair County, at gaging station at State Hwy. M-19, at Memphis, MI.	151	05-15-67 07-31-67	58.8 16.4
04160603	Belle River	St. Clair River	Lat 42°53'00", long 82°44'31", in NE1/4 sec.12, T.05 N., R.14 E., Macomb County, at Carroll Rd., 1.6 miles southeast of Memphis, MI.	154	08-06-71	6.19
04160610	Ashery Creek	Belle River	Lat 42°52'59", long 82°46'05", in NE1/4 sec.11, T.05 N., R.14 E., Macomb County, at State Hwy. M-19, 1.0 mile south of Memphis, MI.	13.1	05-15-67 07-31-67	0.82 0.11
04160612	Belle River	St. Clair River	Lat 42°52'33", long 82°44'29", in SE1/4 sec.12, T.05 N., R.14 E., Macomb County, at Weber Rd., 2.2 miles southeast of Memphis, MI.	168	08-06-71	5.71
04160615	Belle River	St. Clair River	Lat 42°49'28", long 82°41'55", in NE1/4 sec.32, T.05 N., R.15 E., St. Clair County, at U.S. Hwy. 25, 2.7 miles northeast of Muttonville, MI.	177	05-15-67 07-31-67	69.9 20.2
04160618	Jerome Creek	Belle River	Lat 42°48'39", long 82°39'16", in NW1/4 sec.02, T.04 N., R.15 E., St. Clair County, at Hessen Rd., 1.4 miles northwest of Adair, MI.	10.1	05-15-67 07-31-67	1.33 0.00
04160620	Belle River	St. Clair River	Lat 42°47'59", long 82°35'43", in SE1/4 sec.06, T.04 N., R.16 E., St. Clair County, at St. Clair Highway, 2.0 miles east of Adair, MI.	200	05-15-67 07-31-67	77.7 22.4
04160625	Belle River	St. Clair River	Lat 42°46'06", long 82°30'44", in NE1/4 sec.23, T.04 N., R.16 E., St. Clair County, at King Rd., 3.5 miles north of Marine City, MI.	216	05-15-67 07-31-67	88.0 22.7
04160630	Baird Drain	Belle River	Lat 42°44'18", long 82°30'40", in NW1/4 sec.36, T.04 N., R.16 E., St. Clair County, at King Rd., 1.6 miles north of Marine City, MI.	7.62	05-15-67 07-31-67	0.41 0.00
04160640	Marsh Drain	St. Clair River	Lat 42°41'05", long 82°31'52", in SE1/4 SE1/4 sec.15, T.03 N., R.16 E., St. Clair County, at Broadbridge Rd., 3.2 miles southwest of Marine City, MI.	4.94	08-31-71 05-04-72	0.00 1.00

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04160645	Beaubien Creek	Lake St. Clair	Lat 42°40'24", long 82°35'15", in NW1/4 sec.20, T.03 N., R.16 E., St. Clair County, at Starville Rd., 1.0 mile south of Starville, MI.	11.8	08-31-71	0.00
					05-04-72	5.15
04160650	Swan Creek	Lake St. Clair	Lat 42°45'15", long 82°37'38", in SW1/4 sec.24, T.04 N., R.15 E., St. Clair County, at Meisner Rd., 0.7 mile northeast of Peters, MI.	5.30	08-31-71	0.00
					05-04-72	5.75
04160655	Swan Creek	Lake St. Clair	Lat 42°42'30", long 82°39'07", in SE1/4 SE1/4 sec.03, T.03 N., R.15 E., St. Clair County, at Arnold Rd., 2.1 miles northeast of Fairhaven, MI.	14.3	05-04-72	13.5
					07-19-73	0.04
04160656	Swan Creek	Lake St. Clair	Lat 42°41'38", long 82°38'55", in SW1/4 sec.11, T.03 N., R.15 E., St. Clair County, at Shortcut Rd., 1.0 mile northeast of Fairhaven, MI.	15.8	08-31-71	0.00
04160660	Meldrum Drain	Swan Creek	Lat 42°41'37", long 82°40'06", in SW1/4 sec.10, T.03 N., R.15 E., St. Clair County, at Shortcut Rd., 1.0 mile northwest of Fairhaven, MI.	11.2	08-31-71	0.08
					05-04-72	4.91
04160670	Marsac Creek	Lake St. Clair	Lat 42°41'37", long 82°42'30", in SW1/4 sec.08, T.03 N., R.15 E., St. Clair County, at Bethuy Rd., at New Baltimore, MI.	5.68	08-31-71	0.08
					05-04-72	2.68
04160678	Salt River	Lake St. Clair	Lat 42°45'32", long 82°45'51", in SE1/4 NW1/4 sec.23, T.04 N., R.14 E., Macomb County, at Gratiot Ave., 2.5 miles northeast of New Haven, MI.	---	07-15-75	0.79
04160680	Salt River	Lake St. Clair	Lat 42°44'59", long 82°46'39", in SE1/4 sec.22, T.04 N., R.14 E., Macomb County, at 28 Mile Rd., 1.7 miles northeast of New Haven, MI.	8.98	08-31-71	1.80
04160685	Salt River	Lake St. Clair	Lat 42°44'04", long 82°47'14", in SW1/4 sec.27, T.04 N., R.14 E., Macomb County, at 27 Mile Rd., 0.9 mile northeast of New Haven, MI.	10.2	05-04-72	10.1
04160687	Salt River	Lake St. Clair	Lat 42°43'11", long 82°47'09", in NW1/4 NE1/4 sec.03, T.03 N., R.14 E., Macomb County, at 26 Mile Rd., at New Haven, MI.	---	07-15-75	1.97
04160688	Salt River	Lake St. Clair	Lat 42°42'35", long 82°46'12", in SE1/4 sec.02, T.03 N., R.14 E., Macomb County, at I-94 expressway, 0.5 mile northwest of New Baltimore, MI.	---	07-19-73	0.89
04160689	Salt River	Lake St. Clair	Lat 42°42'03", long 82°45'57", in NE1/4 sec.11, T.03 N., R.14 E., Macomb County, at New Haven Rd., 1.0 mile west of New Baltimore, MI.	23.5	05-04-72	26.3
04160700	Fish Creek	Salt River	Lat 42°40'30", long 82°47'09", in SE1/4 sec.15, T.03 N., R.14 E., Macomb County, at 23 Mile Rd., 2.9 miles west of New Baltimore, MI.	---	08-31-71	0.09
					05-04-72	5.76
04160750	Clinton River	Lake St. Clair	Lat 42°44'37", long 83°25'31", in NW1/4 sec.20, T.04 N., R.09 E., Oakland County, at Bluegrass Dr., at Clarkston, MI.	11.5	02-23-66	3.96
					04-14-66	6.37
					07-25-66	0.89
					10-11-66	1.17
					01-11-67	7.44
					05-25-67	5.61
					09-13-67	1.28
					03-06-68	8.20
					05-05-69	10.2
					08-26-69	2.14
					08-28-79	2.13
					12-13-79	6.47
					04-21-80	14.8
					07-10-80	5.10

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04160752	Parke Lake Inlet	Parke Lake	Lat 42°44'12", long 83°25'11", in SW1/4 sec.20, T.04 N., R.09 E., Oakland County, at State Hwy. M-15, at Clarkston, MI.	---	08-28-79	1.04
					12-13-79	4.71
					04-21-80	7.32
					07-10-80	4.72
04160756	Clinton River	Lake St. Clair	Lat 42°44'02", long 83°25'14", in SW1/4 sec.20, T.04 N., R.09 E., Oakland County, at Depot Rd., at Clarkston, MI.	---	08-28-79	1.78
					12-13-79	3.25
					04-21-80	8.52
					07-10-80	1.14
04160758	Parke Lake Outlet	Clinton River	Lat 42°44'12", long 83°24'51", in SE1/4 sec.20, T.04 N., R.09 E., Oakland County, 0.1 mile south of Parke Lake, at Clarkston, MI.	---	08-28-79	1.34
					12-13-79	6.26
					04-21-80	7.26
					07-10-80	5.76
04160760	Dear Lake Outlet	Clinton River	Lat 42°43'49", long 83°25'35", in NW1/4 sec.29, T.04 N., R.09 E., Oakland County, at White Lake Rd., at Clarkston, MI.	14.7	01-25-66	5.00
					04-14-66	5.64
					07-25-66	2.57
					10-11-66	3.77
					01-11-67	6.92
					05-25-67	7.29
					09-13-67	3.71
					03-06-68	8.42
					05-05-69	11.1
					08-26-69	5.28
04160790	Sashabaw Creek	Clinton River	Lat 42°44'08", long 83°19'33", in SW1/4 SW1/4 sec.19, T.04 N., R.10 E., Oakland County, at Waldon Rd., 2.2 miles northwest of Eames, MI.	9.73	07-25-66	0.27
					05-25-67	7.49
					09-13-67	1.30
04160792	Judah Lake Inlet	Sashabaw Creek	Lat 42°43'07", long 83°17'03", in NW1/4 sec.33, T.04 N., R.10 E., Oakland County, at Joslyn Rd., 0.4 mile south of Eames, MI.	---	03-06-68	0.24
04160795	Judah Lake Outlet	Sashabaw Creek	Lat 42°43'59", long 83°18'28", in NW1/4 sec.29, T.04 N., R.10 E., Oakland County, at Baldwin Rd., 1.2 miles northwest of Eames, MI.	4.39	04-13-66	2.14
					10-10-66	0.00
					07-21-67	0.54
					09-13-67	0.00
					03-06-68	1.07
04160850	Clinton River	Lake St. Clair	Lat 42°40'49", long 83°22'20", in SE1/4 sec.10, T.03 N., R.09 E., Oakland County, at Loon Lake outlet, at U.S. Hwy. 10, at Drayton Plains, MI.	74.7	01-16-47	31.0
					04-16-47	228
					05-13-47	107
					07-17-47	43.3
					11-19-47	43.6
					01-22-48	38.2
					05-06-48	58.9
					07-30-48	54.6
					09-30-48	18.1
					12-01-48	52.9
					03-09-49	92.4
					06-09-49	25.7
					09-15-49	12.7
					01-10-50	86.3
					04-12-50	193
					09-07-50	16.6
					10-16-50	53.7
					02-27-51	126
					05-08-51	96.1
					08-16-51	19.0
					11-20-51	76.2
					02-14-52	96.8
					06-05-52	72.5
					08-08-52	8.34
					10-28-52	14.1
					02-12-53	37.8
					04-14-53	70.2
					07-28-53	21.2
					10-09-53	8.72
					04-12-54	93.2
					06-22-54	38.4
					08-20-54	4.56
					10-08-54	58.1
					03-31-55	96.5
					07-20-55	15.2
					10-10-55	10.9
					01-05-56	23.3
					04-16-56	79.2
					07-23-56	41.8
					10-16-56	16.1
					01-17-57	35.4

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04160850	Clinton River	Lake St. Clair	Continued		05-28-57	107
					09-23-57	18.7
					12-21-57	71.3
					03-14-58	60.8
					06-13-58	24.5
					08-19-58	6.02
					11-26-58	12.8
					05-13-59	68.3
					07-09-59	4.51
04160940	Elizabeth Lake Outlet	Clinton River	Lat 42°37'27", long 83°22'34", in NW1/4 sec.34, T.03 N., R.09 E., Oakland County, at Cass-Elizabeth Lakes Rd., 2.0 miles northwest of Keego Harbor, MI.	2.39	06-02-66	1.31
					09-13-67	0.15
04160945	Clinton River	Lake St. Clair	Lat 42°37'03", long 83°21'02", in SW1/4 SE1/4 sec.35, T.03 N., R.09 E., Oakland County, at Cass Lake Rd., at Cass Lake outlet, at Keego Harbor, MI.	99.9	06-09-45	43.2
					07-13-48	93.4
					12-01-48	63.8
					03-09-49	135
					06-10-49	29.2
					09-09-49	14.2
					04-12-50	76.4
					09-07-50	13.0
					10-16-50	61.1
					02-22-51	163
					05-07-51	124
					08-16-51	7.35
					11-20-51	29.3
					02-14-52	45.8
					06-05-52	30.2
					08-08-52	5.38
					10-28-52	10.2
					02-11-53	18.3
					04-14-53	32.2
					08-14-53	14.1
					10-09-53	4.69
					04-12-54	111
					06-25-54	43.4
					08-20-54	3.23
					11-05-54	75.0
					03-31-55	117
					07-20-55	12.2
					10-10-55	12.0
					01-05-56	31.4
					07-23-56	56.9
					10-16-56	15.9
					01-17-57	41.1
					05-28-57	121
					09-23-57	37.4
					03-14-58	71.1
					06-13-58	17.7
					08-19-58	6.74
					11-26-58	20.6
					05-13-59	82.5
					07-09-59	3.25
04160950	Clinton River	Lake St. Clair	Lat 42°37'27", long 83°18'57", in SW1/4 sec.31, T.03 N., R.10 E., Oakland County, at Orchard Lake Rd., at Pontiac, MI.	107	04-14-66	72.6
					07-26-66	2.88
					05-25-67	54.8
					09-13-67	9.99
					05-05-69	117
					08-26-69	6.41
					09-01-76	18.4
					09-17-76	5.87
04160975	Clinton River	Lake St. Clair	Lat 42°38'32", long 83°15'37", in SE1/4 NE1/4 sec.27, T.03 N., R.10 E., Oakland County, at State Hwy. M-59, at Pontiac, MI.	---	09-04-80	79.8
04160980	Unnamed tributary	Clinton River	Lat 42°38'11", long 83°14'58", in SE1/4 NE1/4 sec.34, T.03 N., R.10 E., Oakland County, at Opdyke Rd., at Pontiac, MI.	---	09-04-80	1.50
04161060	Galloway Creek	Clinton River	Lat 42°40'40", long 83°15'58", in SW1/4 sec.10, T.03 N., R.10 E., Oakland County, at Walton Rd., at Pontiac, MI.	---	10-31-58	0.05
04161090	Galloway Creek	Clinton River	Lat 42°39'47", long 83°13'06", in NE1/4 sec.24, T.03 N., R.10 E., Oakland County, at Squirrel Rd., near Pontiac, MI.	---	10-31-58	0.17

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04161095	Unnamed tributary	Galloway Creek	Lat 42°40'06", long 83°12'05", in SW1/4 SE1/4 sec.18, T.03 N., R.11 E., Oakland County, at Oakland University, near Pontiac, MI.	---	10-31-58	0.14
04161100	Galloway Creek	Clinton River	Lat 42°40'02", long 83°12'02", in SW1/4 SE1/4 sec.18, T.03 N., R.11 E., Oakland County, at Oakland University, near Pontiac, MI.	17.8	10-16-58	0.30
					10-31-58	0.38
04161105	Unnamed tributary	Galloway Creek	Lat 42°39'55", long 83°11'49", in SE1/4 NE1/4 sec.18, T.03 N., R.11 E., Oakland County, at Oakland University, near Pontiac, MI.	---	10-16-58	0.03
					10-31-58	0.05
04161110	Galloway Creek	Clinton River	Lat 42°39'34", long 83°12'04", in SE1/4 NW1/4 sec.19, T.03 N., R.11 E., Oakland County, at Butler Rd., 2.5 miles east of Pontiac, MI.	---	09-04-80	7.00
04161115	Clinton River	Lake St. Clair	Lat 42°39'02", long 83°10'41", in NW1/4 NE1/4 sec.29, T.03 N., R.11 E., Oakland County, at Hamlin Rd., 3.7 miles east of Pontiac, MI.	---	09-04-80	115
04161300	Paint Creek Drain	Paint Creek	Lat 42°47'47", long 83°17'29", in NW1/4 sec.04, T.04 N., R.10 E., Oakland County, at Newman Rd., 2.4 miles southwest of Oxford, MI.	18.3	01-25-66	3.32
					04-14-66	8.66
					07-25-66	2.35
					10-13-66	1.36
					01-11-67	18.4
					05-25-67	8.29
					09-12-67	2.46
					03-06-68	6.79
					05-05-69	11.2
					08-26-69	3.22
04161493	Paint Creek	Clinton River	Lat 42°47'32", long 83°15'40", in NE1/4 sec.03, T.04 N., R.10 E., Oakland County, at Indianwood Rd., at Lake Orion, MI.	34.9	07-25-66	3.96
					05-25-67	19.2
					09-12-67	4.99
04161495	Paint Creek	Clinton River	Lat 42°46'59", long 83°14'21", in SE1/4 sec.02, T.04 N., R.10 E., Oakland County, 50 feet below old powerhouse on lake outlet, at Lake Orion, MI.	---	09-21-55	23.9
04161520	Trout Creek	Paint Creek	Lat 42°44'38", long 83°12'56", in SE1/4 sec.24, T.04 N., R.10 E., Oakland County, at Greenshield Rd., 3.0. miles southeast of Lake Orion, MI.	7.38	08-25-55	1.26
					09-20-55	1.07
					01-26-56	1.61
					04-24-56	4.48
					06-06-56	5.97
					08-03-56	2.63
					08-22-56	2.07
					09-20-56	1.90
					10-15-56	1.76
					11-13-56	1.79
					03-25-58	6.61
					05-09-58	2.86
					09-16-58	0.91
					06-10-59	1.81
					09-15-59	1.77
					04-22-60	11.0
					08-02-60	1.44
					10-12-60	1.98
					01-13-61	1.39
					05-23-61	2.96
					09-12-61	1.39
					03-27-62	14.9
					07-19-62	1.03
					09-28-62	1.62
					05-16-63	5.90
04161522	Unnamed tributary	Trout Creek	Lat 42°44'57", long 83°12'38", in NW1/4 sec.19, T.04 N., R.11 E., Oakland County, at outlet of Michigan D.N.R. fish pond, 3.0 miles southeast of Lake Orion, MI.	2.35	08-25-55	1.06
					09-20-55	0.96
					01-26-56	1.09
					04-24-56	2.23
					06-06-56	2.98
					08-03-56	1.16
					08-22-56	1.19
					09-20-56	1.09
					10-15-56	1.61
					11-13-56	1.19
					03-25-58	2.80
					05-09-58	1.62
					09-16-58	1.57

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04161522	Unnamed tributary	Trout Creek	Continued		06-10-59	0.95
					09-15-59	0.68
					04-22-60	3.82
					08-02-60	0.95
					10-12-60	1.19
					01-13-61	1.19
					05-23-61	1.81
					09-12-61	1.22
					03-27-62	4.93
					07-19-62	0.52
					09-28-62	1.14
					05-16-63	2.05
04161524	Trout Creek	Paint Creek	Lat 42°44'50", long 83°18'50", in NW1/4 sec.20, T.04 N., R.11 E., Oakland County, at Adams Rd., 2.1 miles northwest of Goodison, MI.	11.8	07-25-66	2.24
					05-25-67	6.09
					09-12-67	2.39
					05-05-69	9.91
					08-26-69	2.92
04161538	Sargent Creek	Paint Creek	Lat 42°41'08", long 83°09'13", in SW1/4 sec.10, T.03 N., R.11 E. Oakland County, at Livernois Rd., at Rochester, MI.	4.69	01-24-66	0.71
					04-14-66	1.67
					06-25-66	0.10
					10-27-66	0.10
					01-11-67	1.99
					05-24-67	1.30
					09-12-67	0.19
					03-06-68	0.86
04161565	Stony Creek	Clinton River	Lat 42°49'08", long 83°08'55", in SE1/4 sec.27, T.05 N., R.11 E., Oakland County, at Milnine Rd., at Lakeville, MI.	---	09-13-67	0.63
04161568	Unnamed tributary	Stony Creek	Lat 42°49'42", long 83°10'16", in NW1/4 sec.28, T.05 N., R.11 E., Oakland County, at Lakeville Rd., 1.2 miles northwest of Lakeville, MI.	4.87	07-26-66	0.00
04161570	Stony Creek	Clinton River	Lat 42°48'53", long 83°07'39", in SE1/4 sec.26, T.05 N., R.11 E., Oakland County, at Brewer Rd., 1.2 miles east of Lakeville, MI.	16.1	07-26-66	1.32
					05-24-67	4.99
					09-13-67	1.81
					05-05-69	13.6
					08-26-69	2.31
04161585	Stony Creek	Clinton River	Lat 42°45'49", long 83°04'28", in SW1/4 sec.17, T.04 N., R.12 E., Macomb County, at Inwood Rd., 5.2 miles northeast of Goodison, MI.	34.6	08-21-72	10.7
					06-05-73	49.7
					07-18-73	13.5
					08-16-73	20.2
					09-20-73	10.8
					10-26-73	12.2
					11-30-73	49.7
					06-27-74	18.0
					07-31-74	10.5
					09-10-74	14.5
					10-23-74	19.3
					11-19-74	26.0
					06-03-75	24.7
					07-09-75	15.7
					08-13-75	21.4
					10-31-75	24.5
					05-28-76	28.2
					07-07-76	21.2
					08-02-76	19.2
					10-13-76	16.8
					11-10-76	18.4
					05-03-77	19.9
					08-18-77	7.34
					10-26-77	15.2
					07-12-78	8.59
					09-08-78	5.03
					11-16-78	14.5
					06-14-79	23.8
					07-18-79	12.1
					08-28-79	14.1
04161588	Unnamed tributary	Stony Lake Reservoir	Lat 42°44'02", long 83°05'14", in NE1/4 SW1/4 sec.30, T.04 N., R.12 E., Macomb County, at Huron-Clinton Metropolitan Park Rd., 2.7 miles west of Washington, MI.	---	08-16-73	0.11

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04161598	West Branch Stony Creek	Stony Lake	Lat 42°47'17", long 83°11'53", in SW1/4 sec.05, T.04 N., R.11 E., Oakland County, at Harmon Rd., 2.0 miles east of Lake Orion, MI.	11.7	08-25-55	0.98
					09-20-55	0.58
					01-26-56	1.86
					04-24-56	3.12
					06-06-56	5.08
					08-03-56	1.62
					08-22-56	1.79
					09-20-56	0.97
					10-15-56	0.72
					11-13-56	2.26
					03-25-58	3.34
					05-09-58	1.80
					09-16-58	0.58
					06-10-59	1.90
					09-15-59	1.09
					04-22-60	5.76
					08-02-60	0.75
					10-11-60	1.32
					01-13-61	1.53
					05-23-61	2.22
					09-12-61	1.54
					03-27-62	9.62
					07-19-62	0.46
					09-28-62	0.88
					05-16-63	4.41
04161600	West Branch Stony Creek	Stony Lake	Lat 42°47'12", long 83°10'58", in SE1/4 sec.05, T.04 N., R.11 E., Oakland County, at Predmore Rd., 2.5 miles east of Lake Orion, MI.	14.8	08-25-55	1.16
					09-20-55	0.50
					01-26-56	2.41
					04-24-56	4.98
					06-06-56	5.74
					08-03-56	1.87
					08-22-56	3.38
					09-20-56	1.26
					10-15-56	1.19
					11-13-56	2.18
					12-12-56	3.82
					01-08-57	2.90
					02-20-57	4.10
					03-23-57	5.60
					04-24-57	7.96
					05-28-57	7.92
					06-26-57	2.33
					08-01-57	2.63
					08-29-57	1.72
					09-24-57	1.64
					10-15-57	1.00
					01-28-58	3.51
					03-13-58	5.64
					03-25-58	5.92
					04-25-58	4.84
					05-09-58	2.58
					06-18-58	1.92
					07-23-58	0.78
					08-15-58	0.48
					09-05-58	0.37
					10-14-58	1.96
					01-14-59	2.41
					05-06-59	6.81
					06-08-59	2.53
					07-08-59	0.44
					08-05-59	0.96
					09-11-59	2.38
					10-15-59	5.61
					11-18-59	7.38
					12-17-59	6.84
					01-23-60	6.36
					02-20-60	5.32
					03-23-60	5.06
					04-22-60	11.3
					06-16-60	4.81
					07-14-60	1.47
					08-11-60	1.16
					09-15-60	0.28
					10-11-60	1.78
					11-14-60	2.16
					12-20-60	1.78
					02-10-61	1.84
					03-09-61	6.89
					04-06-61	3.62
					05-11-61	8.44
					06-22-61	2.58
					07-12-61	0.55
					08-10-61	1.08
					09-18-61	1.14
					10-05-61	2.67
					11-15-61	4.01
					12-14-61	3.24

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04161600	West Branch Stony Creek	Stony Lake	Continued		01-11-62	1.44
					02-08-62	2.64
					03-21-62	18.0
					04-19-62	6.00
					05-17-62	3.16
					06-14-62	2.65
					07-19-62	0.29
					08-08-62	3.38
					09-07-62	0.70
					09-28-62	1.07
					11-07-62	3.54
					12-06-62	2.71
					01-09-63	2.25
					02-06-63	1.29
					03-25-63	14.3
					04-19-63	4.96
					05-08-63	5.91
					06-17-63	1.84
					07-16-63	0.28
					08-05-63	0.42
					10-10-63	0.38
					11-15-63	0.67
					12-13-63	1.72
					01-07-64	1.44
					01-22-64	1.02
					03-21-64	5.18
					05-11-64	10.8
					06-18-64	1.11
					08-13-64	0.77
					09-11-64	0.78
					10-06-64	0.40
					11-13-64	1.48
					12-09-64	1.21
					01-12-65	2.92
					02-03-65	2.48
					03-11-65	10.8
					04-21-65	13.2
					05-26-65	2.25
					06-23-65	0.90
					07-22-65	0.39
					09-24-65	1.95
					11-03-65	1.30
					11-18-65	1.97
					01-17-66	3.17
					06-16-66	3.95
					07-21-66	0.40
					07-26-66	0.32
					10-10-66	1.09
					04-11-67	12.1
					05-25-67	3.30
					06-15-67	0.25
					08-31-67	1.84
					09-13-67	1.10
					10-18-67	5.60
					12-28-67	3.70
04161610	West Branch Stony Creek	Stony Lake	Lat 42°45'36", long 83°08'14", in NW1/4 SW1/4 sec.14, T.04 N., R.11 E., Oakland County, at State Hwy. M-150, 5.0 miles north of Rochester, MI.	18.2	12-12-56	8.20
04161760	West Branch Stony Creek	Stony Lake	Lat 42°43'53", long 83°06'02", in SE1/4 sec.25, T.04 N., R.11 E., Oakland County, on Huron-Clinton Metropolitan Park Rd., 3.4 miles west of Washington, MI.	22.5	10-22-64	0.57
					04-20-65	25.2
					08-18-65	0.48
					12-10-65	1.94
					03-16-66	9.56
					04-19-66	9.51
					07-26-66	0.38
					12-09-66	19.1
					03-14-67	30.5
					04-18-67	52.4
					05-24-67	5.78
					08-09-67	2.89
					09-13-67	1.04
					11-07-67	11.4
					12-13-67	20.3
					12-21-67	104
					03-13-68	17.3
					05-05-68	12.9
					08-26-68	1.74
					05-05-69	12.9
					08-26-69	1.74
					09-02-71	1.04

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04161770	McClure Drain	Stony Lake	Lat 42°43'57", long 83°05'54", in SE1/4 sec.25, T.04 N., R.11 E., Oakland County, on Huron-Clinton Metropolitan Park Rd., 3.2 miles west of Washington, MI.	3.63	10-22-64	0.58
					04-20-65	3.71
					08-18-65	0.39
					12-10-65	0.71
					03-16-66	1.41
					04-14-66	1.57
					07-26-66	0.43
					05-24-67	1.38
					08-09-67	0.74
					09-13-67	0.51
					11-07-67	2.12
					03-13-68	4.38
					09-13-68	4.28
					01-29-69	5.48
					03-12-69	1.66
					07-08-69	1.52
					09-04-69	0.54
					05-21-70	1.70
					07-09-70	0.72
					08-27-70	1.58
					10-13-70	0.60
					05-18-71	1.06
					06-16-71	0.74
					09-02-71	0.50
					11-17-71	0.59
					08-16-73	1.21
04161780	Mount Vernon Drain	Stony Lake	Lat 42°44'01", long 83°05'29", in SW1/4 sec.30, T.04 N., R.12 E., Macomb County, at Huron-Clinton Metropolitan Rd., 3.0 miles west of Washington, MI.	1.87	10-22-64	0.17
					04-20-65	1.52
					08-18-65	0.00
					12-10-65	0.52
					03-16-66	0.96
					04-14-66	0.76
					08-09-67	0.40
					11-07-67	0.96
					03-13-68	1.86
					09-13-68	1.16
					01-29-69	1.81
					03-12-69	0.56
					09-04-69	0.00
					05-21-70	0.66
					07-09-70	0.50
					08-27-70	0.33
					10-13-70	0.23
					06-16-71	0.28
					09-02-71	0.24
					11-17-71	0.34
					08-16-73	0.41
04161800	Stony Creek	Clinton River	Lat 42°42'55", long 83°05'31", in SW1/4 sec.31, T.04 N., R.12 E., Macomb County, at Mt. Vernon Rd., 3.0 miles west of Washingtom, MI.	68.2	04-14-53	47.0
					06-18-53	17.3
					08-21-53	10.1
					09-17-53	10.8
					10-09-53	16.5
					11-05-53	15.5
					12-17-53	11.9
					01-15-54	14.4
					02-19-54	126
					04-12-54	51.8
					05-05-54	45.4
					06-22-54	49.3
					07-16-54	11.4
					08-12-54	9.48
					09-10-54	8.35
					10-07-54	18.1
					11-02-54	25.4
					12-07-54	32.3
					03-22-55	112
					04-27-55	48.4
					05-12-55	21.8
					06-10-55	23.4
04161801	Stony Creek	Clinton River	Lat 42°42'25", long 83°06'11", in SW1/4 NE1/4 sec.01, T.03 N., R.11 E., Oakland County, at Winkler Mill Rd., 2.1 miles northeast of Rochester, MI.	68.4	08-16-73	18.5
04161830	Clinton River	Lake St. Clair	Lat 42°40'18", long 83°05'47", in SE1/4 sec.13, T.03 N., R.11 E., Oakland County, at Avon Rd., at Yates, MI.	299	02-24-66	145
					04-14-66	192
					07-26-66	55.7
					10-27-66	86.9
					01-12-67	223
					05-25-67	150
					09-13-67	106
					03-05-68	221
					05-05-69	334
					08-26-69	71.6

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04161998	Lawson Drain	Red Run	Lat 42°31'09", long 83°05'45", in NW1/4 NE1/4 sec.12, T.01 N., R.11 E., Oakland County, 1.5 miles east of city limits of Royal Oak, MI.	---	02-17-54	0.62
04162000	Red Run	Clinton River	Lat 42°31'06", long 83°05'44", in NW1/4 NE1/4 sec.12, T.01 N., R.11 E., Oakland County, near Royal Oak, MI.	---	03-27-47	84.7
					04-01-47	109
					04-29-47	37.3
					09-15-47	25.8
					09-23-47	15.3
					02-04-48	22.2
					02-26-48	60.9
					03-19-48	1080
					03-22-48	195
R 04162400	Red Run	Clinton River	Lat 42°31'32", long 83°01'46", in SE1/4 sec.04, T.01 N., R.12 E., Macomb County, at Van Dyke Rd., at Warren, MI.	43.8	05-05-69	2.05
					08-26-69	0.36
					09-01-76	2.32
					09-17-76	10.9
R 04162500	Bear Creek	Red Run	Lat 42°31'24", long 83°01'26", in SW1/4 sec.03, T.01 N., R.12 E., Macomb County, at Chicago Rd., at Warren, MI.	16.0	03-27-48	34.9
					04-01-48	37.3
					04-29-48	6.29
					05-05-69	3.46
					08-26-69	5.30
04162510	Bear Creek	Red Run	Lat 42°31'25", long 83°01'23", in SE1/4 SW1/4 sec.03, T.01 N., R.12 E., Macomb County, at Miller Drain, at Warren, MI.	18.7	09-01-76	6.90
					09-17-76	13.6
04162895	Big Beaver Creek	Red Run	Lat 42°33'00", long 83°04'37", in SW1/4 SE1/4 sec.30, T.02 N., R.12 E., Macomb County, at Maple Rd., 3.8 miles northwest of Warren, MI.	14.3	07-25-66	0.00
					05-25-67	1.07
					09-12-67	0.00
04163030	Red Run	Clinton River	Lat 42°32'14", long 83°00'22", in SW1/4 SW1/4 sec.35, T.02 N., R.12 E., Macomb County, at 14 Mile Rd., at Warren, MI.	---	08-22-73	73.7
					09-28-73	257
					02-07-74	25.0
					03-14-74	128
					07-26-74	49.4
					08-21-74	73.2
					09-17-74	40.0
04163060	Red Run	Clinton River	Lat 42°33'08", long 82°59'11", in SW1/4 SW1/4 sec.25, T.02 N., R.12 E., Macomb County, at 15 Mile Rd., at Sterling Heights, MI.	92.0	09-02-76	50.3
					09-17-76	98.6
04163395	Gibson Drain	Plum Brook	Lat 42°35'12", long 83°05'23", in NE1/4 sec.13, T.02 N., R.11 E., Oakland County, at Dequindre Rd., 2.0 miles east of Troy, MI.	10.5	07-25-66	0.00
					05-25-67	1.20
					09-12-67	0.05
04163790	Plum Brook	Red Run	Lat 42°34'22", long 82°59'16", in NW1/4 SW1/4 sec.24, T.02 N., R.12 E., Macomb County, at Schoenherr Rd., 1.5 miles northwest of Cady, MI.	27.6	08-22-73	13.2
					09-02-76	12.6
					09-17-76	8.64
04163800	Plum Brook	Red Run	Lat 42°34'07", long 82°58'48", in SE1/4 sec.24, T.02 N., R.12 E., Macomb County, at McInery Drain, at Cady, MI.	33.8	05-05-69	22.5
					08-26-69	12.9
04164010	North Branch Clinton River	Clinton River	Lat 42°54'59", long 83°02'42", in NE1/4 sec.28, T.06 N., R.12 E., Lapeer County, at State Hwy. M-53, at Almont, MI.	9.56	09-14-59	1.23
					06-09-60	2.42
					08-18-60	1.19
					10-11-60	1.08
					01-13-61	1.48
					03-29-61	3.29
					05-24-61	2.35
					09-11-61	1.03
					11-09-61	1.15
					04-19-62	3.56
					08-23-62	0.70
					04-16-63	2.19
					07-30-64	0.37
					04-12-66	3.51
					06-01-67	2.02
					05-05-69	5.09
					08-26-69	1.38
					07-14-75	5.78
					09-22-80	2.30
					09-29-80	2.00

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04164018	Unnamed tributary	North Branch Clinton River	Lat 42°54'27", long 83°00'17", in SE1/4 sec.26, T.06 N., R.12 E., Lapeer County, on Hough Rd., 1.5 miles southeast of Almont, MI.	---	09-22-80	0.70
					09-29-80	0.33
04164020	North Branch Clinton River	Clinton River	Lat 42°53'32", long 83°00'09", in NW1/4 sec.01, T.05 N., R.12 E., Macomb County, at Macomb-Lapeer County line, 2.8 miles southeast of Almont, MI.	17.1	10-11-60	1.51
					03-29-61	5.89
					05-24-61	3.99
					09-11-61	0.83
					11-09-61	3.45
					04-16-63	3.86
					07-30-64	0.49
					04-12-66	7.22
					06-01-67	3.93
04164022	Unnamed tributary	North Branch Clinton River	Lat 42°53'29", long 83°01'06", in NE1/4 sec.03, T.05 N., R.12 E., Macomb County, at Kidder Rd., 1.8 miles south of Almont, MI.	---	09-22-80	0.39
					09-29-80	0.45
04164025	North Branch Clinton River	Clinton River	Lat 42°52'42", long 83°00'02", in SW1/4 SW1/4 sec.01, T.05 N., R.12 E., Macomb County, at McKay Rd., 3.5 miles southeast of Almont, MI.	---	09-22-80	4.30
					09-29-80	3.20
04164030	Apel Drain	North Branch Clinton River	Lat 42°51'26", long 83°00'02", in NW1/4 sec.13, T.05 N., R.12 E., Macomb County, at McKay Rd., 0.5 mile above mouth, 3.8 miles north of Romeo, MI.	4.04	10-11-60	0.46
					03-29-61	1.00
					05-24-61	0.94
					09-11-61	0.31
					11-09-61	0.53
					04-16-63	0.64
					07-30-64	0.14
					04-12-66	1.39
					06-01-67	0.86
04164040	Newland Drain	North Branch Clinton River	Lat 42°50'09", long 82°58'45", in SW1/4 sec.19, T.05 N., R.13 E., Macomb County, at mouth, 2.8 miles northeast of Romeo, MI.	9.38	10-11-60	0.26
					03-29-61	1.29
					05-24-61	2.22
					09-11-61	0.51
					11-09-61	0.40
					04-16-63	1.12
					07-30-64	0.02
					04-12-66	3.36
					06-01-67	1.27
					05-05-69	3.28
					08-26-69	0.84
04164045	Mahaffy Drain	North Branch Clinton River	Lat 42°49'53", long 82°59'48", in NW1/4 sec.25, T.05 N., R.12 E., Macomb County, at Mack Rd.(34 Mile), 2.1 miles northeast of Romeo, MI.	2.64	10-11-60	0.05
					03-29-61	1.27
					05-24-61	0.82
					09-11-61	0.04
					11-09-61	0.17
					04-16-63	0.62
					07-30-64	0.00
					04-12-66	1.34
					06-01-67	0.52
04164050	North Branch Clinton River	Clinton River	Lat 42°49'11", long 82°58'35", in NW1/4 sec.31, T.05 N., R.13 E., Macomb County, at 33 Mile Rd., 2.2 miles northeast of Romeo, MI.	49.7	09-15-59	3.67
					06-09-60	11.0
					08-18-60	4.00
					10-11-60	2.54
					01-13-61	3.74
					03-29-61	15.8
					05-24-61	5.15
					09-11-61	3.86
					11-09-61	5.31
					08-23-62	2.26
					03-29-63	44.4
					04-16-63	9.83
					05-10-63	162
					07-30-64	0.49
					09-22-64	2.64
					04-12-66	22.4
					06-01-67	10.7
					05-05-69	24.2
					08-26-69	5.85
					07-14-75	21.8

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04164090	East Pond Creek	North Branch Clinton River	Lat 42°51'37", long 83°05'35", in SW1/4 sec.07, T.05 N., R.12 E., Macomb County, at Dewey Rd.(36 Mile), 3.8 miles northeast of Lakeville, MI.	9.49	10-11-60	0.02
					03-29-61	4.42
					05-24-61	0.76
					09-11-61	0.93
					11-09-61	1.02
					04-16-63	2.29
					07-30-64	0.00
					04-12-66	5.86
					04-14-66	5.20
					07-25-66	0.00
					05-24-67	3.22
					06-01-67	1.27
					09-13-67	0.04
04164093	East Pond Creek	North Branch Clinton River	Lat 42°49'52", long 83°04'12", in NW1/4 NE1/4 sec.29, T.05 N., R.12 E., Macomb County, at 34 Mile Rd., 3.0 miles northwest of Romeo, MI.	---	07-14-75	6.19
04164095	East Pond Creek	North Branch Clinton River	Lat 42°48'57", long 83°04'12", in SW1/4 SE1/4 sec.29, T.05 N., R.12 E., Macomb County, at Schooley Rd.(33 Mile), 3.1 miles northwest of Romeo, MI.	14.2	10-11-60	1.38
					03-29-61	6.91
					05-24-61	4.08
					09-11-61	2.12
					11-09-61	2.48
					04-16-63	4.35
					07-30-64	0.53
					04-12-66	8.16
					06-01-67	1.60
					07-14-75	7.54
04164101	East Pond Creek	North Branch Clinton River	Lat 42°49'01", long 83°00'35", in NW1/4 NE1/4 sec.35, T.05 N., R.12 E., Macomb County, at McVicar Rd., 0.5 mile north of Romeo, MI.	---	07-14-75	17.5
04164110	East Pond Creek	North Branch Clinton River	Lat 42°48'16", long 82°58'49", in NW1/4 sec.06, T.04 N., R.13 E., Macomb County, at Powell Rd., 1.6 miles east of Romeo, MI.	24.5	10-11-60	4.00
					03-29-61	12.0
					05-24-61	10.7
					09-11-61	4.44
					11-09-61	5.31
					04-16-63	8.14
					07-30-64	1.34
					04-12-66	13.2
					06-01-67	7.15
					07-14-75	18.3
04164130	North Branch Clinton River	Clinton River	Lat 42°46'30", long 82°56'14", in NW1/4 sec.16, T.04 N., R.13 E., Macomb County, at 30 Mile Rd., 2.0 miles northwest of Ray Center, MI.	80.5	10-11-60	6.70
					03-29-61	29.5
					05-24-61	21.9
					09-11-61	6.42
					11-09-61	11.4
					04-16-63	18.4
					07-30-64	1.27
					04-12-66	37.2
					06-01-67	12.3
04164150	North Branch Clinton River	Clinton River	Lat 42°43'50", long 82°54'23", in NE1/4 sec.34, T.04 N., R.13 E., Macomb County, at bridge 1.9 miles northwest of Meade, 2.8 miles east of Davis, MI.	89.6	09-15-59	3.04
04164190	Coon Creek	North Branch Clinton River	Lat 42°50'59", long 82°55'36", in NE1/4 sec.21, T.05 N., R.13 E., Macomb County, at Armada Center Rd., 2.1 miles west of Armada, MI.	3.98	10-11-60	0.12
					03-29-61	0.86
					05-24-61	0.49
					09-11-61	0.20
					11-09-61	0.43
					04-16-63	0.52
					07-30-64	0.07
					04-12-66	0.79
					06-01-67	0.55
04164200	Coon Creek	North Branch Clinton River	Lat 42°47'41", long 82°52'58", in SW1/4 sec.01, T.04 N., R.13 E., Macomb County, at North Rd., 3.4 miles south of Armada, MI.	10.0	09-15-59	0.31
					06-09-60	1.35
					08-18-60	0.34
					10-11-60	0.24
					01-13-61	0.55
					03-29-61	1.66
					05-24-61	1.51
					09-11-61	0.15
					11-09-61	0.49
					08-23-62	0.05
					03-26-63	9.63
					04-16-63	1.13
					05-11-63	29.6

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04164210	Coon Creek	North Branch Clinton River	Lat 42°44'18", long 82°52'32", in SW1/4 sec.25, T.04 N., R.13 E., Macomb County, at North Rd., 1.4 miles north of Meade, MI.	15.2	10-11-60	0.06
					03-29-61	2.57
					05-24-61	1.87
					09-11-61	0.07
					11-09-61	0.60
					04-16-63	1.11
					07-30-64	0.00
					04-12-66	3.71
					06-01-67	1.32
					05-05-69	4.40
					08-26-69	0.20
04164230	Tupper Brook	Coon Creek	Lat 42°47'27", long 82°53'30", in NW1/4 sec.11, T.04 N., R.13 E., Macomb County, at 31 Mile Rd., 3.7 miles south of Armada, MI.	4.21	10-11-60	0.00
					03-29-61	0.20
					05-24-61	0.21
					09-11-61	0.00
					11-09-61	0.00
					04-16-63	0.10
					07-30-64	0.00
					04-12-66	0.76
					06-01-67	0.01
04164250	Tupper Brook	Coon Creek	Lat 42°45'42", long 82°54'04", in NW1/4 sec.23, T.04 N., R.13 E., Macomb County, at 29 Mile Rd., at Ray Center, MI.	8.62	09-14-59	0.00
					10-11-60	0.00
					03-29-61	0.26
					05-24-61	0.42
					09-11-61	0.00
					11-09-61	0.00
					04-16-63	0.26
					07-30-64	0.00
					04-12-66	1.56
					06-01-67	0.00
					05-05-69	2.20
					08-26-69	0.00
04164290	East Branch Coon Creek	Coon Creek	Lat 42°53'13", long 82°53'26", in SE1/4 sec.02, T.05 N., R.13 E., Macomb County, at Pratt Rd., 3.0 miles north of Armada, MI.	8.34	10-11-60	0.02
					03-29-61	0.54
					05-24-61	0.71
					09-11-61	0.26
					11-09-61	0.42
					04-16-63	0.36
					07-30-64	0.00
					04-12-66	1.35
					06-01-67	0.34
04164310	East Branch Coon Creek	Coon Creek	Lat 42°47'37", long 82°51'35", in SW1/4 sec.06, T.04 N., R.14 E., Macomb County, at Omo Rd., 3.7 miles south of Armada, MI.	19.6	10-11-60	0.10
					03-29-61	1.83
					05-24-61	2.32
					09-11-61	0.43
					11-09-61	0.94
					04-16-63	1.36
					07-30-64	0.00
					04-12-66	4.68
					06-01-67	1.17
04164320	Highbank Creek	East Branch Coon Creek	Lat 42°50'31", long 82°50'07", in SW1/4 sec.20, T.05 N., R.14 E., Macomb County, at Armada Ridge Rd., 2.5 miles east of Armada, MI.	4.34	10-11-60	0.00
					03-29-61	0.19
					05-24-61	0.13
					09-11-61	0.01
					11-09-61	0.02
					04-16-63	0.07
					07-30-64	0.00
					04-12-66	0.59
					06-01-67	0.05
04164330	Highbank Creek	East Branch Coon Creek	Lat 42°49'19", long 82°50'50", in NE1/4 sec.31, T.05 N., R.14 E., Macomb County, above Cemetery Creek, at 33 Mile Rd., 2.3 miles southeast of Armada, MI.	5.08	10-11-60	0.00
					03-29-61	0.31
					05-24-61	0.20
					09-11-61	0.01
					11-09-61	0.06
					04-16-63	0.15
					07-30-64	0.00
					04-12-66	0.82
					06-01-67	0.08
04164340	Cemetery Creek	Highbank Creek	Lat 42°49'20", long 82°50'58", in NW1/4 sec.31, T.05 N., R.14 E., Macomb County, at 33 Mile Rd., 2.3 miles southeast of Armada, MI.	6.44	10-11-60	0.12
					03-29-61	0.44
					05-24-61	0.55
					09-11-61	0.16
					11-09-61	0.19
					04-16-63	0.28
					07-30-64	0.07
					04-12-66	0.98
					06-01-67	0.30

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04164350	Highbank Creek	East Branch Coon Creek	Lat 42°48'44", long 82°51'08", in SW1/4 sec.31, T.05 N., R.14 E., Macomb County, at 32 Mile Rd., 3.0 miles southeast of Armada, MI.	14.9	09-15-59	0.14
					06-09-60	0.64
					08-18-60	0.06
					10-11-60	0.22
					01-13-61	0.11
					03-29-61	0.79
					05-24-61	0.46
					09-11-61	0.15
					11-09-61	0.18
					08-23-62	0.08
					03-29-63	8.85
					04-16-63	0.60
					05-11-63	41.4
					07-30-64	0.05
					04-12-66	2.23
					06-01-67	0.26
04164360	East Branch Coon Creek	Coon Creek	Lat 42°45'47", long 82°50'59", in SW1/4 sec.18, T.04 N., R.14 E., Macomb County, at 29 Mile Rd., 3.4 miles northwest of New Haven, MI.	36.1	09-14-59	0.00
					06-09-60	1.98
					08-18-60	0.00
					10-11-60	0.00
					01-13-61	0.30
					03-29-61	3.18
					05-24-61	3.33
					09-11-61	0.60
					11-09-61	1.49
					08-23-62	0.00
					04-16-63	0.31
					05-11-63	159
					07-30-64	0.00
					04-12-66	7.62
					06-01-67	1.69
04164385	East Branch Coon Creek	Coon Creek	Lat 42°43'23", long 82°52'29", in SW1/4 sec.36, T.04 N., R.13 E., Macomb County, at North Rd., 0.3 mile north of Meade, MI.	45.3	05-05-69	10.6
					08-26-69	0.00
04164390	Coon Creek	North Branch Clinton River	Lat 42°43'03", long 82°52'55", in NE1/4 NE1/4 sec.02, T.03 N., R.13 E., Macomb County, at 26 Mile Rd., 0.3 mile west of Meade, MI.	71.8	10-11-60	0.00
					03-29-61	8.01
					05-24-61	6.98
					09-11-61	0.49
					11-09-61	2.25
					04-16-63	4.45
					07-30-64	0.00
					04-12-66	16.0
					06-01-67	2.02
					09-03-76	0.02
					09-17-76	0.10
04164395	Deer Creek	North Branch Clinton River	Lat 42°44'00", long 82°50'08", in NE1/4 sec.31, T.04 N., R.14 E., Macomb County, at 27 Mile Rd., 1.7 miles west of New Haven, MI.	10.3	10-11-60	0.04
					03-29-61	1.12
					05-24-61	0.78
					09-11-61	0.09
					11-09-61	0.15
					04-16-63	0.76
					07-30-64	0.04
					04-12-66	2.28
					06-01-67	1.47
04164400	Deer Creek	North Branch Clinton River	Lat 42°42'39", long 82°51'32", in NW1/4 sec.06, T.03 N., R.14 E., Macomb County, at 25 1/2 Mile Rd., 0.9 miles southeast of Meade, MI.	12.7	09-15-59	0.06
					06-09-60	0.59
					08-18-60	0.12
					09-08-60	0.10
					10-11-60	0.10
					03-29-61	1.35
					05-24-61	1.11
					09-11-61	0.16
					11-09-61	0.20
					04-16-63	0.68
					07-30-64	0.15
					10-29-65	0.07
					04-12-66	2.60
					06-01-67	1.67
					05-05-69	3.12
					08-26-69	2.46
04164450	McBride Drain	North Branch Clinton River	Lat 42°41'14", long 82°55'14", in NE1/4 NE1/4 sec.16, T.03 N., R.13 E., Macomb County, at 24 Mile Rd., 2.2 miles southeast of Macomb, MI.	5.79	10-11-60	0.00
					03-29-61	0.53
					05-24-61	0.45
					09-11-61	0.05
					11-09-61	0.05
					04-16-63	0.26
					07-30-64	0.00
					04-12-66	1.22
					06-01-67	0.13

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04164470	Hart Drain	North Branch Clinton River	Lat 42°39'21", long 82°52'38", in NE1/4 sec.26, T.03 N., R.13 E., Macomb County, near mouth at North Ave., 3.0 miles north of northern limit of Mount Clemens, MI.	4.18	10-11-60	0.00
					03-29-61	0.60
					05-24-61	0.42
					09-11-61	0.00
					11-09-61	0.02
					04-16-63	0.10
					07-30-64	0.00
					04-12-66	0.93
					06-01-67	0.07
04164520	Middle Branch Clinton River	North Branch Clinton River	Lat 42°41'00", long 83°02'38", in NW1/4 sec.16, T.03 N., R.12 E., Macomb County, at 24 Mile Rd., 4.0 miles north of Utica, MI.	4.81	10-11-60	0.83
					03-29-61	1.94
					05-24-61	2.46
					09-11-61	0.84
					11-09-61	0.80
					04-16-63	1.45
					07-30-64	0.90
					04-12-66	2.85
					06-01-67	1.18
04164545	Unnamed tributary	Yates Drain	Lat 42°44'20", long 83°01'02", in SW1/4 NW1/4 sec.26, T.04 N., R.12 E., Macomb County, at Jewell Rd., 4.0 miles south of Romeo, MI.	---	07-15-75	1.08
04164550	Yates Drain	Middle Branch Clinton River	Lat 42°42'28", long 83°00'58", in NW1/4 sec.02, T.03 N., R.12 E., Macomb County, at Jewell Rd., 3.0 miles west of Macomb, MI.	0.98	10-11-60	0.86
					03-29-61	3.19
					05-24-61	2.60
					09-11-61	1.01
					11-09-61	1.53
					04-16-63	2.39
					07-30-64	0.16
					04-12-66	3.90
					06-01-67	1.66
04164600	Middle Branch Clinton River	North Branch Clinton River	Lat 42°42'03", long 82°59'44", in SW1/4 sec.01, T.03 N., R.12 E., Macomb County, at Schoenherr Rd., 2.0 miles west of Macomb, MI.	22.2	09-15-59	3.36
					06-09-60	5.30
					08-18-60	2.69
					10-11-60	2.48
					01-13-61	3.64
					03-29-61	10.3
					05-24-61	8.04
					09-11-61	3.03
					11-09-61	4.33
					08-23-62	2.22
					04-16-63	7.09
					05-11-63	38.1
					07-30-64	1.12
					09-22-64	2.83
					04-12-66	11.6
					06-01-67	4.04
					05-05-69	14.1
					08-26-69	1.08
04164700	Healy Drain	Middle Branch Clinton River	Lat 42°42'58", long 82°58'02", in SW1/4 SE1/4 sec.31, T.04 N., R.13 E., Macomb County, at 26 Mile Rd., 0.5 mile above mouth, 1.1 miles north of Macomb, MI.	9.65	10-11-60	0.27
					03-29-61	1.46
					05-24-61	1.37
					09-11-61	0.31
					11-09-61	0.60
					04-16-63	1.83
					07-30-64	0.02
					04-12-66	2.74
					06-01-67	0.75
04164800	Middle Branch Clinton River	North Branch Clinton River	Lat 42°42'23", long 82°57'33", in SW1/4 sec.04, T.03 N., R.13 E., Macomb County, at Romeo Plank Rd., 0.4 miles north of Macomb, MI.	41.0	09-15-59	4.01
					06-09-60	6.62
					08-18-60	1.93
					10-11-60	2.72
					01-13-61	3.39
					03-29-61	12.1
					05-24-61	11.2
					09-11-61	3.07
					11-09-61	4.93
					08-23-62	2.55
					04-16-63	8.07
					07-30-64	1.08
					04-12-66	16.5
					06-01-67	5.51
					05-05-69	19.8
					08-26-69	1.53
R 04165000	Middle Branch Clinton River	North Branch Clinton River	Lat 42°37'42", long 82°55'52", in NW1/4 sec.04, T.02 N., R.13 E., Macomb County, at State Hwy. M-59, 2.0 miles south of Waldenburg, MI.	48.8	05-05-69	20.8
					08-26-69	0.82

Table 8.--Discharge measurements of Lower Peninsula streams tributary to Lake St. Clair--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04165190	Dunn Drain	Gloede Ditch	Lat 42°38'23", long 82°57'58", in NE1/4 NW1/4 sec.31, T.03 N., R.13 E., Macomb County, at Tilch Rd., 1.9 miles southwest of Waldenburg, MI.	7.60	10-11-60	0.00
					03-29-61	3.52
					05-24-61	2.65
					09-11-61	0.13
					11-09-61	0.76
					04-16-63	2.44
					07-30-64	1.05
					04-12-66	3.31
					06-01-67	0.48
04165200	Gloede Ditch	Middle Branch Clinton River	Lat 42°37'39", long 82°57'10", in SW1/4 sec.32, T.03 N., R.13 E., Macomb County, 500 feet above State Hwy. M-59, 2.2 miles south of Waldenburg, MI.	16.0	09-14-59	0.42
					10-11-60	0.13
					03-29-61	5.48
					05-24-61	4.72
					09-11-61	0.72
					11-09-61	1.32
					04-16-63	4.08
					07-30-64	1.58
					04-12-66	6.63
					06-01-67	0.70
					05-05-69	0.56
04165220	Middle Branch Clinton River	North Branch Clinton River	Lat 42°36'22", long 82°55'03", in SE1/4 NE1/4 sec.09, T.02 N., R.13 E., Macomb County, at Heydereich Rd. above Miller Drain, in Private Claim 546, 1.0 mile west of Mt. Clemens, MI.	74.7	10-11-60	2.49
					01-13-61	4.10
					03-29-61	20.6
					05-24-61	18.0
					09-11-61	2.50
					11-09-61	7.14
					04-16-63	12.4
					07-30-64	4.02
					04-12-66	27.0
					06-01-67	6.92
04165550	Harrington Drain	Clinton River	Lat 42°34'07", long 82°55'47", in SW1/4 SW1/4 sec.21, T.02 N., R.13 E., Macomb County, at Metropolitan Parkway(16 Mile), 1.0 mile southwest of Mount Clemens, MI.	15.9	05-05-69	1.48
					08-26-69	0.55
					08-22-73	0.88

Table 9.--Discharge measurements of Lower Peninsula streams tributary to Detroit River

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04165987	Unnamed tributary	River Rouge	Lat 42°34'32", long 83°12'43", in NE1/4 NE1/4 sec.24, T.02 N., R.10 E., Oakland County, at Wattles Rd., 1.0 mile east of Bloomfield Hills, MI.	---	07-25-66	0.17
04165990	Unnamed tributary	River Rouge	Lat 42°33'37", long 83°13'38", in NE1/4 NE1/4 sec.26, T.02 N., R.10 E., Oakland County, at Quarton Rd., at Birmingham, MI.	21.5	01-25-66	1.76
					04-14-66	2.64
					07-25-66	0.36
					10-25-66	0.79
					01-12-67	1.99
					05-25-67	2.49
					08-24-67	1.41
					09-13-67	1.10
					03-05-68	9.07
					04-23-68	10.6
04166030	Franklin Branch	River Rouge	Lat 42°30'56", long 83°16'48", in NW1/4 NW1/4 sec.09, T.01 N., R.10 E., Oakland County, at 13 Mile Rd., at Franklin, MI.	15.4	01-25-66	4.11
					04-14-66	8.04
					07-25-66	1.20
					10-25-66	3.66
					01-12-67	6.14
					05-25-67	5.33
					08-24-67	2.56
					09-13-67	2.32
					03-05-68	8.55
					04-23-68	11.8
04166040	Franklin Branch	River Rouge	Lat 42°30'04", long 83°16'43", in NW1/4 sec.16, T.01 N., R.10 E., Oakland County, at 12 Mile Rd., at Southfield, MI.	17.0	05-13-76	20.7
					05-17-76	53.3
					05-26-76	14.1
					06-14-76	7.45
					07-29-76	24.9
					11-04-76	5.20
					03-28-77	112

Table 9.--Discharge measurements of Lower Peninsula streams tributary to Detroit River--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04166090	Pebble Creek	Middle River Rouge	Lat 42°28'17", long 83°18'14", in NE1/4 sec.30, T.01 N., R.10 E., Oakland County, at 10 Mile Rd,. 1.4 miles southwest of Southfield, MI.	10.3	02-24-66	2.30
					04-14-66	3.48
					07-25-66	0.52
					10-25-66	0.91
					01-12-67	5.12
					05-24-67	2.58
					08-24-67	0.62
					09-13-67	0.58
					03-05-68	3.56
					04-23-68	5.35
04166230	River Rouge	Detroit River	Lat 42°25'26", long 83°16'09", in SE1/4 SW1/4 sec.04, T.01 S., R.10 E., Wayne County, at 7 Mile Rd., at Detroit, MI.	101	11-21-78	30.4
					12-19-78	24.0
					03-08-79	126
					03-26-79	86.8
					03-30-79	337
					04-27-79	278
					05-14-79	70.3
					06-04-79	39.0
					06-18-79	20.7
					07-02-79	61.7
					07-23-79	16.9
					10-22-79	16.8
					11-09-79	21.5
04166290	Minnow Pond Drain	Upper River Rouge	Lat 42°29'16", long 83°22'39", in SW1/4 sec.15, T.01 N., R.09 E., Oakland County, at Quakertown, MI.	9.18	01-25-66	0.26
					04-14-66	2.69
					07-25-66	0.06
					10-25-66	0.11
					01-12-67	1.14
					05-24-67	0.93
					08-24-67	0.07
					09-12-67	0.26
					03-05-68	0.71
					04-23-68	3.62
04166350	Upper River Rouge	River Rouge	Lat 42°23'59", long 83°17'11", in NW1/4 sec.20, T.01 S., R.10 E., Wayne County, at Fenkell Rd., at Redford, MI.	22.2	08-24-67	2.05
					04-23-68	14.8
					05-13-76	18.5
					05-17-76	76.5
					05-26-76	12.8
					06-14-76	3.43
					07-29-76	101
					11-04-76	5.52
					03-28-77	143
04166400	Bell Branch	Upper River Rouge	Lat 42°24'31", long 83°20'06", in NW1/4 sec.13, T.01 S., R.09 E., Wayne County, at Middle Belt Rd., 2.1 miles northeast of Livonia, MI.	20.2	08-24-67	0.62
					04-22-68	7.44
04166420	Tarabusi Creek	Bell Branch	Lat 42°24'57", long 83°20'08", in SW1/4 sec.12, T.01 S., R.09 E., Wayne County, at Middle Belt Rd.. 2.2 miles northeast of Livonia, MI.	6.68	08-24-67	0.90
					04-22-68	4.91
04166450	Bell Branch	Upper River Rouge	Lat 42°23'32", long 83°17'45", in SW1/4 sec.20, T.01 S., R.10 E., Wayne County, at Beech Daily Rd., at Redford, MI.	40.8	08-24-67	2.86
					04-23-68	13.2
					05-13-76	18.1
					05-17-76	166
					05-26-76	10.5
					06-14-76	3.97
					07-30-76	33.2
					11-04-76	5.41
					03-29-77	376
04166470	Upper River Rouge	River Rouge	Lat 42°23'04", long 83°16'35", in SE1/4 NE1/4 sec.20, T.01 S., R.10 E., Wayne County, at Telegraph Rd., at Detroit, MI.	67.3	11-21-78	12.2
					12-19-78	12.0
					03-08-79	61.7
					03-26-79	34.0
					03-29-79	219
					03-30-79	224
					04-04-79	46.2
					04-27-79	218
					05-14-79	27.4
					06-04-79	14.6
					06-18-79	6.34
					07-02-79	66.1
					07-23-79	8.36
					10-22-79	5.58
					11-09-79	13.8
04166595	Walled Lake Branch	Upper River Rouge	Lat 42°28'34", long 83°28'31", in NE1/4 sec.22, T.01 N., R.08 E., Oakland County, at Novi Rd., at Novi, MI.	9.75	07-25-66	0.02
					05-24-67	0.95
					08-24-67	0.01
					09-12-67	0.02
					04-23-68	8.39

Table 9.--Discharge measurements of Lower Peninsula streams tributary to Detroit River--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04166600	Walled Lake Branch	Upper River Rouge	Lat 42°26'33", long 83°28'25", in NW1/4 SW1/4 sec.35, T.01 N., R.08 E., Oakland County, at Novi Rd., at Northville, MI.	22.1	01-24-66	1.48
					04-14-66	6.09
					07-25-66	1.03
					10-13-66	0.94
					01-12-67	4.43
					05-24-67	4.25
					08-24-67	0.81
					09-12-67	0.81
					03-05-68	8.03
					04-23-68	14.1
04166610	Walled lake Branch	Johnson Drain	Lat 42°25'45", long 83°28'42", in NE1/4 SE1/4 sec.03, T.01 S., R.08 E., Wayne County, at Beal St., 0.2 mile upstream of mouth, at Northville, MI.	24.6	05-11-76	37.6
					05-18-76	46.2
					05-25-76	22.3
					06-15-76	13.1
					11-05-76	7.05
					03-28-77	104
04166645	Johnson Drain	Middle River Rouge	Lat 42°23'47", long 83°35'16", in NE1/4 SE1/4 sec.15, T.01 S., R.07 E., Washtenaw County, at Currie Rd., 1.0 mile southwest of Salem, MI.	3.73	08-18-70	0.00
					08-09-71	0.00
					11-01-71	0.00
04166650	Johnson Drain	Middle River Rouge	Lat 42°22'54", long 83°33'18", in SE1/4 sec.24, T.01 S., R.07 E., Washtenaw County, at Napier Rd., 1.2 miles east of Brookville, MI.	11.5	08-24-67	0.38
					04-23-68	6.05
					02-09-70	2.53
					06-23-70	3.33
					08-18-70	0.27
					02-17-71	3.20
					03-29-71	11.5
					05-11-71	1.28
					08-10-71	0.16
					11-01-71	0.14
					07-10-72	0.32
04166700	Johnson Drain	Middle River Rouge	Lat 42°25'33", long 83°28'43", in SE1/4 sec.03, T.01 S., R.08 E., Wayne County, at 7 Mile Rd., at Northville, MI.	26.1	08-24-67	2.08
					04-23-68	12.7
					05-14-76	36.4
					05-18-76	63.7
					05-25-76	28.2
					06-15-76	9.50
					11-05-76	5.96
					03-28-77	87.7
04166730	Middle River Rouge	River Rouge	Lat 42°24'02", long 83°28'08", in SW1/4 sec.14, T.01 S., R.08 E., Wayne County, at Northville Rd., 1.5 miles north of Plymouth, MI.	---	11-07-73	17.2
					02-05-74	42.1
					02-27-74	79.6
					03-05-74	660
					03-21-74	105
					05-02-74	50.6
04166735	Middle River Rouge	River Rouge	Lat 42°23'33", long 83°28'02", in NW1/4 sec.23, T.01 S., R.08 E., Wayne County, at dam at outlet of Phoenix Lake, 1.0 mile north of Plymouth, MI.	56.5	02-05-74	42.2
					02-27-74	[illegible]
					03-05-74	670
					03-21-74	97.8
					05-02-74	50.2
04166740	Middle River Rouge	River Rouge	Lat 42°23'06", long 83°27'54", in SW1/4 sec.23, T.01 S., R.08 E., Wayne County, at Middle River Rouge Parkway, at Plymouth, MI.	---	01-29-74	161
					02-27-74	80.2
					03-05-74	679
					03-21-74	94.6
					05-02-74	46.9
04166745	Middle River Rouge	River Rouge	Lat 42°23'03", long 83°27'23", in SE1/4 sec.23, T.01 S., R.08 E., Wayne County, at dam at intersection of East Hines and Wilcox Rd., at Plymouth, MI.	58.2	01-29-74	164
					02-27-74	83.6
					03-05-74	611
					03-21-74	93.8
					05-02-74	46.4
04166747	Middle River Rouge	River Rouge	Lat 42°22'49", long 83°27'17", in NE1/4 NE1/4 sec.26, T.01 S., R.08 E., Wayne County, 700 feet below railroad bridge at city park, at Plymouth, MI.	60.0	07-12-63	6.58
R 04166750	Middle River Rouge	River Rouge	Lat 42°22'18", long 83°26'44", in SW1/4 sec.25, T.01 S., R.08 E., Wayne County, at Haggerty Rd., at Plymouth, MI.	60.7	08-24-67	7.49
					04-23-68	39.1
					05-14-76	62.9
					05-18-76	128
					05-25-76	48.8
					06-14-76	26.7
					11-05-76	17.9
04166752	Middle River Rouge	River Rouge	Lat 42°22'13", long 83°25'58", in SE1/4 sec.25, T.01 S., R.08 E., Wayne County, at Middle River Rouge Parkway, at Plymouth, MI.	---	01-28-74	280
					02-27-74	88.3
					05-02-74	51.7

Table 9.--Discharge measurements of Lower Peninsula streams tributary to Detroit River--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04166760	Middle River Rouge	River Rouge	Lat 42°22'00", long 83°24'41", in NW1/4 sec.32, T.01 S., R.08 E., Wayne County, at outlet of Newburgh Lake, at Newburgh Rd., at Livonia, MI.	62.3	11-07-73	20.6
					01-28-74	341
					02-27-74	102
					03-05-74	668
					03-21-74	110
					05-02-74	51.7
04166780	Middle River Rouge	River Rouge	Lat 42°21'05", long 83°22'22", in NE1/4 NE1/4 sec.04, T.02 S., R.09 E., Wayne County, at Ann Arbor Trail, downstream of Nankin Lake Dam, at Nankin Mills, MI.	63.4	05-13-76	83.3
					05-17-76	236
					05-26-76	54.4
					06-14-76	34.5
					07-29-76	154
					11-04-76	24.3
04166795	Tonquish Creek	Middle River Rouge	Lat 42°20'13", long 83°26'58", in NW1/4 NW1/4 sec.12, T.02 S., R.08 E., Wayne County, at Haggerty Rd., 2.8 miles southeast of Plymouth, MI.	8.80	04-08-69	8.91
04166800	Willow Creek	Tonquish Creek	Lat 42°19'59", long 83°24'48", in NE1/4 sec.07, T.02 S., R.09 E., Wayne County, at Tonquish Rd., 2.6 miles southwest of Nankin Mills, MI.	6.74	08-24-67	0.10
					04-23-68	2.22
04166900	Tonquish Creek	Middle River Rouge	Lat 42°21'07", long 83°23'10", in NW1/4 sec.04, T.02 S., R.09 E., Wayne County, at Wayne Rd., 0.7 mile west of Nankin Mills, MI.	24.2	08-24-67	1.09
					04-23-68	8.97
					05-14-76	12.8
					05-17-76	108
					05-26-76	8.74
					06-14-76	4.29
					07-29-76	20.3
					11-04-76	3.19
04167100	Middle River Rouge	River Rouge	Lat 42°20'16", long 83°15'32", in NE1/4 sec.09, T.02 S., R.10 E., Wayne County, at Outer Drive, at Dearborn Heights, MI.	106	11-22-78	35.0
					12-19-78	30.6
					03-08-79	146
					03-26-79	80.7
					03-29-79	341
					03-30-79	342
					04-04-79	119
					05-14-79	62.2
					06-04-79	34.5
					06-18-79	23.3
					07-02-79	174
					07-23-79	29.5
					10-22-79	19.1
					11-09-79	41.4
04167268	Lower River Rouge	River Rouge	Lat 42°17'46", long 83°32'31", in NW1/4 SW1/4 sec.19, T.02 S., R.08 E., Wayne County, at Ridge Rd., 0.7 mile south of Cherry Hill, MI.	7.34	05-11-76	5.72
					05-18-76	12.1
					05-25-76	2.29
					06-15-76	0.24
					11-05-76	0.43
04167290	Lower River Rouge	River Rouge	Lat 42°18'37", long 83°32'45", in SE1/4 sec.13, T.02 S., R.07 E., Washtenaw County, at Napier Rd., 0.6 mile northwest of Cherry Hill, MI.	1.74	08-17-70	0.01
					08-09-71	0.00
					11-01-71	0.04
04167300	Lower River Rouge	River Rouge	Lat 42°17'01", long 83°30'20", in SW1/4 sec.28, T.02 S., R.08 E., Wayne County, at Beck Rd., 1.6 miles northwest of Sheldon, MI.	9.01	08-24-67	0.17
					04-23-68	2.44
04167330	Fowler Creek	Lower River Rouge	Lat 42°16'32", long 83°33'16", in NW1/4 sec.36, T.02 S., R.07 E., Washtenaw County, at Ridge Rd., 1.0 mile northeast of Willow Run, MI.	7.45	08-17-70	0.03
					08-09-71	0.00
					11-01-71	0.08
04167340	Fowler Creek	Lower River Rouge	Lat 42°16'56", long 83°30'20", in SW1/4 sec.28, T.02 S., R.08 E., Wayne County, at Beck Rd., 1.5 miles northwest of Sheldon, MI.	12.0	08-24-67	0.00
					04-23-68	2.38
04167342	Lower River Rouge	River Rouge	Lat 42°17'18", long 83°29'11", in NW1/4 sec.27, T.02 S., R.08 E., Wayne County, at Canton-Center Rd., 6.0 miles south of Plymouth, MI.	12.0	07-12-63	0.10

Table 9.--Discharge measurements of Lower Peninsula streams tributary to Detroit River--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04167500	Lower River Rouge	River Rouge	Lat 42°16'57", long 83°26'14", in SW1/4 sec.25, T.02 S., R.08 E., Wayne County, at Lotz Rd., 0.5 mile west of Wayne, MI.	37.5	08-24-67	0.28
					04-23-68	10.1
					05-11-76	31.0
					05-18-76	51.2
					05-25-76	8.96
					06-15-76	0.81
					11-05-76	1.29
					03-29-77	494
04167598	Fellows Creek	Lower River Rouge	Lat 42°18'03", long 83°26'17", in SE1/4 sec.24, T.02 S., R.08 E., Wayne County, at Lotz Rd., 3.0 miles northwest of Wayne, MI.	14.5	04-08-69	1.58
04167600	Fellows Creek	Lower River Rouge	Lat 42°17'38", long 83°26'11", in NE1/4 sec.25, T.02 S., R.08 E., Wayne County, at Palmer Rd., 2.7 miles northwest of Wayne, MI.	16.0	08-24-67	0.12
					04-23-68	4.64
					05-11-76	12.8
					05-18-76	30.8
					05-25-76	4.60
					06-15-76	0.32
					11-05-76	2.88
04168100	Lower River Rouge	River Rouge	Lat 42°18'46", long 83°14'32", in SE1/4 sec.20, T.02 S., R.10 E., Wayne County, at Telegraph Rd., at Dearborn, MI.	91.9	08-23-67	3.38
					04-23-68	21.5
04168400	Lower River Rouge	River Rouge	Lat 42°18'31", long 83°15'10", in NE1/4 sec.22, T.02 S., R.10 E., Wayne County, at Military Rd., at Dearborn, MI.	91.0	11-21-78	7.36
					12-19-78	8.54
					03-08-79	120
					03-26-79	55.0
					03-29-79	282
					03-30-79	451
					04-04-79	84.5
					05-14-79	24.3
					06-04-79	12.7
					06-18-79	5.10
					07-23-79	7.72
					10-22-79	4.14
					11-09-79	20.6
04168516	River Rouge	Detroit River	Lat 42°18'39", long 83°13'36", in SE1/4 sec.22, T.02 S., R.10 E., Wayne County, at Evergreen Rd., in Land Grant 663, at Dearborn, MI.	400	11-22-78	76.3
					12-19-78	109
					03-08-79	524
					03-26-79	292
					03-30-79	1440
					05-14-79	204
					05-15-79	239
					06-18-79	66.5
					07-02-79	428
					07-23-79	105
					08-28-79	66.2
					10-02-79	149
					10-22-79	71.4
					11-09-79	123
					11-21-79	90.8
04168520	River Rouge	Detroit River	Lat 42°18'34", long 83°13'22". in NE1/4 sec.23, T.02 S., R.10 E., Wayne County, at U.S. Hwy. 112, at Dearborn, MI.	---	04-05-50	6900
04168550	River Rouge	Detroit River	Lat 42°16'50", long 83°07'44", in SW1/4 sec.34, T.02 S., R.11 E., Wayne County, at Jefferson Ave., in Land Grant 114, at River Rouge, MI.	462	06-14-76	1510
04168576	Ecorse River	Detroit River	Lat 42°16'12", long 83°18'33", in SE1/4 sec.36, T.02 S., R.09 E., Wayne County, at Inkster Rd., 1.3 miles south of Inkster, MI.	7.32	08-31-71	0.00
					05-04-72	1.67
04168585	Ecorse River	Detroit River	Lat 42°16'08", long 83°10'54", in NE1/4 sec.06, T.03 S., R.11 E., Wayne County, at Dix Rd., in Private Claim 51, at Lincoln Park, MI.	16.5	08-31-71	0.33
					05-04-72	4.72
					07-19-73	0.74
					08-15-73	1.80
					10-02-74	1.29
					12-13-74	9.86
04168594	South Branch Ecorse River	Ecorse River	Lat 42°13'41", long 83°12'26", in NW1/4 NW1/4 sec.24, T.03 S., R.10 E., Wayne County, at Moran Rd., at Lincoln Park, MI.	11.0	07-19-73	0.88
					08-15-73	1.62
					10-02-74	0.86
					12-13-74	7.95

Table 9.--Discharge measurements of Lower Peninsula streams tributary to Detroit River--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04168595	South Branch Ecorse River	Ecorse River	Lat 42°13'27", long 83°11'52", in NE1/4 sec.24, T.03 S., R.10 E., Wayne County, at Hazel Rd., at Lincoln Park, MI.	11.7	08-31-71	1.10
					05-04-72	5.13
04168655	Frank and Poet Drain	Detroit River	Lat 42°11'30", long 83°13'13", in NE1/4 sec.34, T.03 S., R.10 E., Wayne County, at Allen Rd., at Southgate, MI.	9.65	08-31-71	0.06
					05-04-72	19.3
04168662	Frank and Poet Drain	Detroit River	Lat 42°07'36", long 83°12'11", in SW1/4 SW1/4 sec.24, T.04 S., R.10 E., Wayne County, at Van Horn Rd., at Trenton, MI.	17.4	08-31-71	0.51
					05-04-72	20.7
					07-19-73	0.62
04168668	Brownstown Creek	Detroit River	Lat 42°06'14", long 83°13'29", in NE1/4 sec.34, T.04 S., R.10 E., Wayne County, at Allen Rd., 1.5 miles east of Gibraltar, MI.	7.39	08-31-71	0.08
					05-04-72	4.42
04168675	Blakely Drain	Marsh Creek	Lat 42°10'42", long 83°19'33", in NE1/4 sec.02, T.04 S., R.09 E., Wayne County, at Middle Belt Rd., 3.5 miles southeast of Romulus, MI.	11.6	08-31-71	0.07
					05-04-72	6.78
04168682	Marsh Creek	Brownstown Creek	Lat 42°06'42", long 83°13'22", in SW1/4 SW1/4 sec.26, T.04 S., R.10 E., Wayne County, at Vreeland Rd., 1.5 miles northwest of Gibraltar, MI.	26.4	08-31-71	0.73
					05-04-72	17.1
					07-19-73	0.61

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04168800	Huron River	Lake Erie	Lat 42°41'35", long 83°29'56", in NW1/4 SE1/4 sec.03, T.03 N., R.08 E., Oakland County, at White Lake Rd., 2.5 miles south of Andersonville, MI.	13.9	02-23-66	1.95
					04-14-66	3.23
					07-26-66	0.16
					10-13-66	0.26
					01-07-67	3.46
					05-25-67	2.23
					09-13-67	0.34
					03-05-68	3.28
					08-17-70	0.32
					08-09-71	0.10
					09-02-71	0.14
					11-24-71	1.20
04168850	Huron River	Lake Erie	Lat 42°40'11", long 83°29'19", in NE1/4 NE1/4 sec.15, T.03 N., R.08 E., Oakland County, at Teggerdine Rd., 0.2 mile west of Pontiac Lake, 4.0 miles south of Andersonville, MI.	---	05-03-77	8.73
					06-08-77	3.05
					07-11-77	1.72
					08-08-77	1.21
					09-12-77	0.33
					10-11-77	5.10
					11-09-77	5.63
					12-06-77	6.79
					01-10-78	5.96
					02-13-78	5.94
					03-13-78	7.09
					04-10-78	16.7
04168900	Huron River	Lake Erie	Lat 42°39'41", long 83°27'09", in SE1/4 sec.13, T.03 N., R.08 E., Oakland County, at Pontiac Lake Rd., 4.4 miles southwest of Drayton Plains, MI.	20.7	07-13-48	1.46
					09-30-48	0.00
					12-01-48	30.4
					06-08-49	0.00
					09-15-49	0.00
					10-07-50	0.18
					12-08-50	0.20
					01-10-51	28.9
					02-02-51	22.7
					04-12-51	62.7
					02-14-52	39.0
					02-23-66	0.00
					04-14-66	4.05
					07-26-66	0.00
					10-13-66	0.03
					01-07-67	0.05
					05-24-67	0.97
					09-13-67	0.16
					03-05-68	1.20
					08-17-70	0.06
					08-09-71	0.64

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04168901	Huron River	Lake Erie	Lat 42°39'27", long 83°27'29", in SW1/4 sec.13, T.03 N., R.08 E., Oakland County, at State Hwy. M-59, 1.5 miles northeast of Oxbow, MI.	---	05-03-77	17.3
					06-08-77	2.61
					07-11-77	1.73
					08-08-77	1.76
04168905	Huron River	Lake Erie	Lat 42°38'41", long 83°27'55", in SE1/4 sec.23, T.03 N., R.08 E., Oakland County, 0.3 mile above Oxbow Lake, at Oxbow, MI.	20.8	10-02-68	10.6
04168907	Huron River	Lake Erie	Lat 42°38'10", long 83°28'16", in NW1/4 sec.26, T.03 N., R.08 E., Oakland County, at Avon Lea Rd., 0.2 mile south of Oxbow Lake, 1.0 mile northwest of Oxbow, MI.	---	05-03-77	22.9
					06-08-77	0.64
					08-08-77	2.37
					12-06-77	10.6
					01-10-78	14.1
					02-13-78	15.6
					03-13-78	11.8
					04-10-78	54.5
04168910	Huron River	Lake Erie	Lat 42°38'03", long 83°29'16", in NW1/4 SE1/4 sec.27, T.03 N., R.08 E., Oakland County, at Oxbow Lake Rd., 1.3 miles northwest of Oxbow, MI.	27.6	07-26-66	1.22
					05-24-67	3.44
					09-13-67	5.45
					10-02-68	14.3
					08-17-70	3.86
					08-09-71	1.65
					05-03-77	29.1
					06-08-77	1.54
					07-11-77	2.61
					08-08-77	3.05
					09-12-77	1.40
					10-11-77	9.45
					12-06-77	15.4
					01-11-78	18.6
					02-13-78	20.7
					03-13-78	15.5
					04-10-78	54.5
04168920	Huron River	Lake Erie	Lat 42°36'48", long 83°29'04", in NE1/4 sec.03, T.02 N., R.08 E., Oakland County, at Cooley Lake Rd., 1.6 miles north of Commerce, MI.	40.6	10-02-68	25.3
04169500	Huron River	Lake Erie	Lat 42°35'25", long 83°29'05", in NE1/4 SE1/4 sec.10, T.02 N., R.08 E., Oakland County, at Commerce Rd., 0.2 mile east of Commerce, MI.	57.3	07-29-76	19.5
					09-08-76	9.32
R 04169505	Hayes Creek	Huron River	Lat 42°36'08", long 83°26'47", in SE1/4 sec.01, T.02 N., R.08 E., Oakland County, at Union Lake outlet, 2.0 miles east of Commerce, MI.	---	11-20-44	0.23
					03-01-46	5.50
					03-04-46	6.27
					03-12-46	9.36
					04-08-46	11.5
					04-19-46	5.95
					05-14-46	0.41
					06-21-46	5.52
					07-19-46	0.59
					08-27-46	0.15
					09-12-46	0.19
					10-22-46	0.10
					11-05-46	0.10
					12-06-46	0.12
					01-17-47	2.03
					02-18-47	3.57
					03-10-47	1.99
					03-31-47	7.12
					04-03-47	9.80
					04-09-47	16.8
					04-17-47	20.1
					05-13-47	1.05
					06-19-47	9.32
					07-17-47	3.16
					08-26-47	5.16
					09-24-47	5.22
					10-16-47	2.13
					11-19-47	3.25
					12-16-47	7.85
					02-09-48	4.06
					03-17-48	6.49
					04-14-48	14.4
					05-06-48	9.03
					06-16-48	3.69
					07-12-48	6.41
					09-23-48	0.43
					10-15-48	0.42

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04169505	Hayes Creek	Huron River	Continued		11-10-48	6.00
					12-01-48	4.84
					01-06-49	4.44
					02-02-49	5.91
					03-09-49	7.91
					04-07-49	8.20
					05-05-49	6.84
					06-09-49	0.00
					07-08-49	0.00
					08-01-49	0.00
					09-08-49	0.00
					10-07-49	0.29
					11-04-49	2.81
					12-08-49	3.05
					01-10-50	9.83
					02-02-50	8.59
					03-09-50	9.04
					04-11-50	13.6
					05-16-50	7.20
					06-07-50	10.7
					07-21-50	2.26
					08-10-50	0.66
					09-06-50	0.00
					10-16-50	3.97
					12-05-50	0.08
					02-22-51	9.28
					03-15-51	8.70
					04-12-51	9.33
					05-09-51	5.64
					08-10-51	0.36
					09-04-51	0.97
					10-04-51	0.90
					11-21-51	3.77
					12-07-51	5.76
					01-24-52	6.69
					02-19-52	6.24
					03-26-52	10.2
					04-08-52	10.3
					06-05-52	0.48
					10-28-52	0.15
R 04169525	Hayes Creek	Huron River	Lat 42°35'28", long 83°28'46", in SE1/4 sec.10, T.02 N., R.08 E., Oakland County, at South Commerce Rd., at Commerce, MI.	7.55	01-26-66	4.67
					04-14-66	4.47
					07-25-66	2.54
					05-24-67	5.92
					09-12-67	3.82
					10-02-68	7.11
					08-17-70	3.21
					08-09-71	2.28
04169550	Huron River	Lake Erie	Lat 42°34'08", long 83°30'15", in SE1/4 sec.16, T.02 N., R.08 E., Oakland County, at Benstein Rd., at Commerce Lake outlet, 3.5 miles northeast of Wixom, MI.	---	05-03-77	78.0
					06-08-77	23.8
					07-11-77	17.7
					08-08-77	17.1
					09-12-77	8.67
					10-12-77	27.7
					11-08-77	46.8
					12-06-77	42.4
					01-11-78	39.4
					02-14-78	43.6
					03-13-78	36.7
					04-10-78	98.7
04169600	Huron River	Lake Erie	Lat 42°34'23", long 83°32'31", in SE1/4 sec.18, T.02 N., R.08 E., Oakland County, at Proud Lake outlet, 3.0 miles southwest of Commerce, MI.	---	01-17-47	35.5
					04-17-47	209
					05-13-47	139
					07-18-47	63.7
					11-19-47	82.9
					01-22-48	52.1
					05-18-48	264
					07-13-48	73.1
					09-30-48	32.5
					11-30-48	80.0
					03-11-49	102
					06-23-49	34.1
					09-15-49	20.7
					12-08-49	43.1
					04-19-50	193
					09-06-50	24.9
					10-16-50	61.3
					02-22-51	178
					05-09-51	105
					08-10-51	41.9
					11-21-51	82.1
					02-19-52	110
					06-06-52	74.3
					08-08-52	17.7
					10-28-52	21.5

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04169600	Huron River	Lake Erie	Continued		02-12-53	42.2
					04-13-53	80.4
					07-28-53	17.4
					10-09-53	16.0
					04-12-54	101
					06-25-54	36.5
					08-19-54	17.7
					11-05-54	64.2
					03-25-55	108
					06-14-55	35.3
					07-22-55	22.3
					10-10-55	32.6
					01-24-56	28.9
					04-14-56	85.6
					07-24-56	29.5
					10-16-56	26.6
04169605	Huron River	Lake Erie	Lat 42°34'22", long 83°33'31", in SW1/4 NW1/4 sec.18, T.02 N., R.08 E., Oakland County, in park upstream of Wixom Rd., 2.2 miles southeast of Milford, MI.	77.4	07-25-66	7.82
					05-24-67	36.7
					09-12-67	19.2
					08-17-70	15.1
					08-09-71	8.20
04169635	Norton Creek	Huron River	Lat 42°30'41", long 83°33'04", in NE1/4 SW1/4 sec.06, T.01 N., R.08 E., Oakland County, 0.8 mile upstream of Pontiac Trail Rd., 1.0 mile southwest of Wixom, MI.	---	09-10-80	1.90
04169645	Congdon Drain	Norton Creek	Lat 42°30'40", long 83°33'00", in NE1/4 SW1/4 sec.06, T.01 N., R.08 E., Oakland County, 0.8 mile upstream of Pontiac Trail Rd., 1.0 mile southwest of Wixom, MI.	---	09-10-80	1.00
04169650	Norton Creek	Huron River	Lat 42°31'26", long 83°32'32", in SE1/4 sec.31, T.02 N., R.08 E., Oakland County, at Pontiac Trail Rd., at Wixom, MI.	6.55	10-02-68	5.68
					05-03-77	3.78
					06-08-77	4.40
					07-11-77	1.69
04169660	Unnamed tributary	Norton Creek	Lat 42°31'27", long 83°32'23", in SE1/4 sec.31, T.02 N., R.08 E., Oakland County, at Pontiac Trail Rd., at Wixom, MI.	---	10-02-68	0.00
R 04169662	Norton Creek	Huron River	Lat 42°31'26", long 83°32'32", in NE1/4 SW1/4 sec.31, T.02 N., R.08 E., Oakland County, at West Maple Rd., 0.5 mile northwest of Wixom, MI.	8.32	10-02-68	7.62
					09-10-80	3.90
					10-21-80	5.66
04169670	Loon Lake Outlet	Norton Creek	Lat 42°32'45", long 83°32'27", in SE1/4 sec.30, T.02 N., R.08 E., Oakland County, at Charms Rd., 1.5 miles north of Wixom, MI.	1.51	10-02-68	0.63
04169680	Unnamed tributary	Gallager Lake outlet	Lat 42°31'58", long 83°32'12", in NE1/4 sec.31, T.02 N., R.08 E., Oakland County, at Wixom Rd., 0.6 mile north of Wixom, MI.	2.52	10-02-68	0.00
04169690	Norton Creek	Huron River	Lat 42°32'36", long 83°33'02", in NE1/4 SW1/4 sec.30, T.02 N., R.08 E., Oakland County, south of Charms Rd., below the Wixom WWTP, 1.5 miles northwest of Wixom, MI.	---	05-03-77	11.4
					06-08-77	9.49
					07-11-77	2.81
					08-08-77	3.00
					09-12-77	3.26
					10-12-77	5.60
					11-08-77	5.04
					12-06-77	6.26
					01-11-78	4.91
					02-14-78	6.66
					03-13-78	7.91
					04-10-78	12.9
					09-10-80	6.80
					10-21-80	8.81

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04169700	Norton Creek	Huron River	Lat 42°33'09", long 83°33'44", in NE1/4 NE1/4 sec.25, T.02 N., R.07 E., Oakland County, at Buno Rd., 3.0 miles southeast of Milford, MI.	15.8	01-26-66	8.19
					04-14-66	10.2
					07-25-66	4.32
					10-13-66	6.00
					01-07-67	10.8
					05-24-67	12.7
					09-11-67	11.5
					03-05-68	13.8
					10-02-68	12.8
					08-17-70	5.61
					08-09-71	2.87
					07-27-76	5.80
					07-29-76	29.3
					10-12-76	9.16
04169930	Pettibone Creek	Huron River	Lat 42°38'33", long 83°36'15", in SE1/4 sec.22, T.03 N., R.07 E., Oakland County, at State Hwy. M-59, at Highland, MI.	6.96	10-03-68	4.67
04169940	Pettibone Creek	Huron River	Lat 42°37'03", long 83°36'22", in NE1/4 sec.34, T.03 N., R.07 E., Oakland County, at Reid Rd., 1.9 miles north of Milford, MI.	9.05	10-02-68	9.30
					10-03-68	9.42
04169950	Pettibone Creek	Huron River	Lat 42°35'21", long 83°36'08", in SE1/4 NE1/4 sec.10, T.02 N., R.07 E., Oakland County, at Commerce Rd., at Milford, MI.	---	01-26-66	7.38
					04-14-66	8.20
					07-25-66	3.58
					10-13-66	4.38
					01-07-67	9.71
					05-24-67	4.92
					09-12-67	3.87
					03-05-68	10.6
					10-02-68	6.45
					10-03-68	6.78
					08-17-70	2.08
					08-09-71	0.76
					05-03-77	16.5
					06-08-77	7.48
					07-12-77	6.95
					08-08-77	4.08
					09-13-77	4.14
					10-12-77	10.0
					11-08-77	8.18
					12-06-77	12.2
					01-11-78	10.2
					02-14-78	11.9
					03-14-78	13.0
					04-10-78	22.2
04170510	Mann Creek	Woodruff Creek	Lat 42°36'22", long 83°38'31", in NE1/4 NE1/4 sec.05, T.02 N., R.07 E., Oakland County, at Garner Rd., 2.0 miles northwest of Milford, MI.	---	10-25-73	0.49
					11-30-73	3.03
					04-22-74	3.42
04170513	Mann Creek	Woodruff Creek	Lat 42°36'04", long 83°39'38", in SE1/4 NE1/4 sec.06, T.02 N., R.07 E., Oakland County, at Hickory Ridge Rd., 2.8 miles northwest of Milford, MI.	---	10-25-73	0.34
					11-30-73	2.88
					04-22-74	5.22
04170600	Mann Creek	Huron River	Lat 42°32'19", long 83°43'26", in NW1/4 sec.27, T.02 N., R.06 E., Livingston County, at Spencer Rd., 3.0 miles east of Brighton, MI.	18.4	06-20-55	7.19
					07-26-55	7.28
					08-17-55	9.89
					09-14-55	8.13
					10-29-55	8.50
					11-08-55	12.6
					12-14-55	8.37
					01-25-56	7.60
					02-09-56	7.66
					03-28-56	15.9
					04-13-56	18.0
					05-04-56	33.6
					06-26-56	25.4
					07-31-56	14.9
					08-20-56	16.6
					10-01-56	10.2
					12-17-56	25.6
					01-17-57	5.92
					03-06-57	11.7
					04-26-57	18.8
					06-26-57	11.1
					07-15-57	33.4
					08-29-57	13.3
					09-13-57	13.7

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04170600	Mann Creek	Huron River	Continued		12-31-57	14.7
					01-27-58	12.0
					03-10-58	12.0
					04-18-58	10.0
					05-27-58	6.50
					06-23-58	6.46
					07-18-58	6.23
					04-18-59	10.3
					05-23-59	3.30
					06-11-59	8.66
					07-10-59	5.14
					08-17-59	6.35
					09-17-59	7.33
					10-07-59	44.6
					11-02-59	10.9
					12-10-59	4.12
					01-07-60	13.7
					02-04-60	13.1
					03-25-60	11.2
					04-21-60	25.4
					05-25-60	12.8
					06-23-60	14.8
					07-14-60	5.05
					08-18-60	7.01
					09-15-60	7.03
					10-22-60	7.50
					11-26-60	8.10
					12-27-60	5.66
					01-21-61	6.37
					02-25-61	12.9
					04-08-61	8.71
					05-20-61	13.2
					06-27-61	7.54
					07-20-61	5.22
					08-14-61	5.21
					09-07-61	11.6
					10-07-61	6.84
					11-11-61	6.26
					12-19-61	8.23
					01-11-62	7.19
					02-10-62	7.36
					03-23-62	21.0
					04-24-62	11.2
					05-12-62	9.55
					06-15-62	4.72
					07-11-62	4.84
					08-17-62	4.17
					09-07-62	3.82
					10-27-62	7.90
					11-19-62	7.13
					12-20-62	6.68
					02-07-63	4.80
					03-13-63	11.4
					04-22-63	10.1
					05-10-63	3.56
					06-19-63	9.80
					07-18-63	5.12
					08-08-63	4.66
					08-18-70	4.00
					08-09-71	2.96
04170650	Woodruff Creek	Huron River	Lat 42°40'00", long 83°42'34", in NW1/4 sec.02, T.01 N., R.06 E., Livingston County, at Grand River Rd., 4.0 miles east of Brighton, MI.	36.3	08-17-70	8.54
					08-09-71	5.11
					07-27-76	12.9
					07-29-76	17.4
					10-12-76	14.7
04170700	Huron River	Lake Erie	Lat 42°28'57", long 83°44'32", in NW1/4 sec.16, T.01 N., R.06 E., Livingston County, at McCabe Rd., 2.5 miles southwest of Greenoak, MI.	200	08-18-70	51.9
					08-09-71	36.3
04170795	Davis Creek	Huron River	Lat 42°28'38", long 83°36'48", in SE1/4 SE1/4 sec.16, T.01 N., R.07 E., Oakland County, at Milford Rd., 2.5 miles south of New Hudson, MI.	15.6	07-26-66	0.23
					05-24-67	5.31
					09-12-67	0.03
04170800	Davis Creek	Huron River	Lat 42°29'21", long 83°39'11", in NE1/4 sec.18, T.01 N., R.07 E., Oakland County, at Pontiac Trail Rd., 2.0 miles north of South Lyon, MI.	24.4	02-23-66	1.63
					04-14-66	6.85
					07-26-66	1.04
					10-13-66	0.11
					01-07-67	1.72
					05-24-67	9.82
					09-12-67	0.77
					03-05-68	7.37
					08-17-70	1.62
					08-09-71	0.44

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04170805	Davis Creek	Huron River	Lat 42°27'57", long 83°42'26", in SE1/4 NE1/4 sec.22, T.01 N., R.06 E., Livingston County, at Doane Rd., 2.3 miles west of South Lyon, MI.	---	11-05-79	3.50
					12-03-79	8.16
					01-09-80	8.93
					02-06-80	3.54
					03-06-80	4.85
					04-02-80	33.5
					05-07-80	19.4
					06-10-80	27.6
					07-08-80	8.40
					08-07-80	7.00
					09-08-80	6.00
					10-01-80	7.30
					11-06-80	5.40
04170810	Walker Drain	Inchwagh Lake	Lat 42°25'52", long 83°40'17", in SW1/4 SE1/4 sec.36, T.01 N., R.06 E., Livingston County, at Eight Mile Rd., 1.2 miles southwest of South Lyon, MI.	---	11-05-79	0.43
					12-03-79	0.80
					01-09-80	1.23
					02-06-80	1.22
					03-06-80	0.56
					04-02-80	7.60
					05-07-80	4.18
					06-10-80	6.30
					07-08-80	1.10
					08-07-80	0.90
					09-08-80	3.60
					10-01-80	2.30
					11-06-80	1.20
04170815	Unnamed tributary	Inchwagh Lake	Lat 42°26'43", long 83°39'58", in NW1/4 NW1/4 sec.31, T.01 N., R.07 E., Oakland County, at Nine Mile Rd., 0.3 mile west of South Lyon, MI.	---	11-05-79	0.23
					12-03-79	0.87
					01-09-80	0.94
					02-06-80	0.33
					03-08-80	0.50
					04-03-80	4.30
					05-07-80	2.21
					06-10-80	1.50
					07-08-80	1.10
					08-07-80	1.50
					09-08-80	0.90
					10-01-80	1.20
					11-06-80	0.68
04170825	Yerkes Drain	Inchwagh Lake	Lat 42°27'21", long 83°39'04", in NE1/4 sec.30, T.01 N., R.07 E., Oakland County, at Pontiac Trail Rd., at South Lyon, MI.	---	12-03-79	0.03
					01-09-80	0.25
					02-06-80	0.00
					04-02-80	4.88
					05-07-80	1.71
					06-10-80	4.10
					07-08-80	0.13
					08-07-80	0.12
					09-08-80	0.08
					10-01-80	0.40
					11-06-80	0.11
04170830	Yerkes Drain	Inchwagh Lake	Lat 42°27'21", long 83°39'38", in NW1/4 NW1/4 sec.30, T.01 N., R.07 E., Oakland County, below WWTP, at South Lyon, MI.	---	11-05-79	3.60
					12-03-79	1.97
					01-09-80	3.45
					02-06-80	3.70
					03-06-80	3.52
					04-02-80	8.86
					05-06-80	5.81
					06-10-80	8.80
					07-08-80	3.00
					08-07-80	1.40
					09-08-80	5.00
					10-01-80	3.30
					11-06-80	4.02
04170850	Inchwagh Lake Outlet	Davis Creek	Lat 42°27'10", long 83°41'46", in NW1/4 NE1/4 sec.26, T.01 N., R.06 E., Livingston County, at Rushton Rd., 1.8 miles west of South Lyon, MI.	18.9	08-17-70	1.10
					08-09-71	0.07
					11-05-79	4.00
					12-03-79	6.04
					01-09-80	7.53
					02-06-80	3.34
					03-06-80	5.34
					03-06-80	13.5
					04-02-80	31.0
					05-07-80	12.7
					06-10-80	26.3
					07-08-80	4.00
					08-07-80	7.30
					09-08-80	17.4
					10-01-80	8.40
					11-06-80	0.21

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04170900	Tobin Lake Outlet	Davis Creek	Lat 42°25'47", long 83°42'34", in NE1/4 sec.03, T.01 S., R.06 E., Washtenaw County, at Eight Mile Rd., 2.8 miles east of Whitmore Lake, MI.	7.84	08-17-70	0.00
					08-09-71	0.00
					11-01-71	0.00
04170910	Tobin Lake Outlet	Davis Creek	Lat 42°26'37", long 83°42'33", in NE1/4 sec.34, T.01 N., R.06 E., Livingston County, at Nine Mile Rd., 1.6 miles east of Whitmore Lake, MI.	---	11-05-79	0.85
					12-03-79	3.04
					01-09-80	6.83
					02-06-80	0.67
					03-06-80	4.30
					04-03-80	25.3
					05-07-80	8.31
					06-10-80	20.1
					07-08-80	1.40
					08-07-80	5.47
					09-08-80	12.6
					10-01-80	6.80
					11-06-80	2.60
04170990	Monahan Lake Outlet	Davis Creek	Lat 42°26'57", long 83°43'57", in NW1/4 SE1/4 sec.28, T.01 N., R.06 E., Livingston County, at Tuthill Rd., 0.9 mile northeast of Whitmore Lake, MI.	---	04-02-80	4.95
					05-07-80	1.68
					06-10-80	2.60
					07-08-80	0.42
					08-07-80	0.56
					09-08-80	0.40
					10-01-80	0.50
					11-06-80	0.21
04171000	Davis Creek	Huron River	Lat 42°27'23", long 83°44'24", in NW1/4 sec.28, T.01 N., R.06 E., Livingston County, at Fairline Rd.(formerly Spicer Rd.), 1.8 miles west of South Lyon, MI.	---	05-04-77	77.2
					06-09-77	20.4
					07-12-77	5.94
					08-08-77	3.16
					02-14-78	23.9
					04-11-78	114
					11-05-79	11.4
					04-03-80	114
					05-07-80	53.1
					06-10-80	79.9
04171010	Davis Creek	Huron River	Lat 42°28'08", long 83°44'38", in NW1/4 sec.21, T.01 N., R.06 E., Livingston County, at Silver Lake Rd., 3.3 miles north of Whitmore Lake, MI.	66.5	08-18-70	8.04
					08-09-71	3.73
					07-27-76	13.9
					07-29-76	15.9
					10-12-76	13.5
R 04171012	Huron River	Lake Erie	Lat 42°28'16", long 83°45'22", in NW1/4 NE1/4 sec.20, T.01 N., R.06 E., Livingston County, at U.S. Hwy. 23, near Hamburg, MI.	---	04-06-49	482
					04-06-49	593
					05-20-49	580
					05-26-49	430
04171250	Woodland Lake Outlet	Huron River	Lat 42°32'38", long 83°46'54", in NW1/4 NE1/4 sec.30, T.02 N., R.06 E., Livingston County, at I-96, 1.0 mile north of Brighton, MI.	---	05-04-77	25.1
					06-09-77	4.01
					07-12-77	2.48
					08-09-77	2.52
					04-11-78	35.9
04171300	Woodland Lake Outlet	Huron River	Lat 42°31'42", long 83°46'54", in NE1/4 NW1/4 sec.31, T.02 N., R.06 E., Livingston County, below the Mill Pond, at Brighton, MI.	---	05-04-77	28.8
					06-09-77	4.34
					07-12-77	3.64
					08-09-77	3.03
					10-12-77	11.1
					11-08-77	8.81
					12-05-77	16.0
					02-14-78	11.7
					03-14-78	16.0
					04-11-78	36.6
04171350	Brighton Lake Outlet	Huron River	Lat 42°31'01", long 83°48'09", in SE1/4 SW1/4 sec.36, T.02 N., R.06 E., Livingston County, below Brighton Lake outlet structure, 1.0 mile southwest of Brighton, MI.	---	05-04-77	36.8
					06-09-77	4.99
					07-12-77	4.34
					08-09-77	3.89
					09-13-77	4.44
					04-11-78	40.4
					08-23-78	2.65
04171400	Murray Lake Outlet	South Ore Creek	Lat 42°30'33", long 83°48'43", in NE1/4 sec.02, T.01 N., R.05 E., Livingston County, at Bauer Rd., 2.0 miles southwest of Brighton, MI.	4.57	04-25-52	6.94
					05-09-52	4.86
					06-12-52	2.37
					07-23-52	2.91
					08-19-52	1.57
					09-25-52	1.65
					10-10-52	1.14
					11-10-52	2.02
					12-12-52	5.25
					01-09-53	3.02
					02-19-53	3.10

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04171400	Murray Lake Outlet	South Ore Creek	Continued		03-10-53	4.98
					04-06-53	6.01
					05-04-53	6.84
					06-19-53	2.44
					08-10-53	2.23
					09-14-53	1.15
					10-05-53	1.42
					12-15-53	3.53
					01-11-54	2.19
					02-15-54	5.52
					03-19-54	5.24
					04-23-54	7.86
					06-23-54	7.50
					07-19-54	1.94
					08-18-54	1.69
					09-13-54	0.97
					10-10-54	5.15
					10-20-54	9.12
					11-29-63	1.66
					02-05-64	2.48
					05-23-64	2.34
04171500	South Ore Creek	Huron River	Lat 42°29'52", long 83°48'09", in NW1/4 sec.12, T.01 N., R.05 E., Livingston County, at Hamburg Rd., 2.5 miles southwest of Brighton, MI.	33.7	08-18-70	5.39
					05-20-71	15.7
					08-09-71	1.52
					07-27-76	12.1
					07-29-76	12.8
					10-12-76	12.2
					09-13-77	24.5
					08-23-78	5.27
04171600	South Ore Creek	Huron River	Lat 42°29'09", long 83°47'50", in NW1/4 NE1/4 sec.13, T.01 N., R.05 E., Livingston County, 100 feet above Ore Lake, 3.2 miles southwest of Brighton, MI.	34.0	05-20-71	15.9
04171700	Dibrova Lake Outlet	Ore Lake	Lat 42°29'15", long 83°47'32", in SE1/4 SE1/4 sec.12, T.01 N., R.05 E., Livingston County, at Hammel Rd., 3.0 miles southwest of Brighton, MI.	3.82	05-20-71	1.03
04171800	Ore Lake Outlet	Huron River	Lat 42°28'23", long 83°47'49", in SE1/4 SE1/4 sec.13, T.01 N., R.05 E., Livingston County, at Ore Lake outlet, 1.5 miles north of Hamburg, MI.	39.7	05-20-71	22.5
					05-04-77	46.4
					07-12-77	9.27
					10-12-77	15.9
					11-08-77	27.1
					12-05-77	39.2
					02-14-78	29.0
					03-14-78	15.2
					04-11-78	59.3
04172050	O'Connor Drain	Horseshoe Lake	Lat 42°23'55", long 83°44'46", in NE1/4 sec.17, T.01 S., R.06 E., Washtenaw County, at Six Mile Rd., 1.9 miles southeast of Whitmore Lake, MI.	9.72	08-17-70	0.01
					08-09-71	0.00
					11-01-71	0.00
04172105	Horseshoe Lake Outlet	Huron River	Lat 42°24'56", long 83°45'40", in NW1/4 sec.08, T.01 S., R.06 E., Washtenaw County, at Whitmore Lake Rd., at Whitmore Lake, MI.	21.4	06-12-45	14.4
					07-17-45	4.16
					03-05-46	52.9
					03-12-46	46.2
					04-08-46	5.57
					04-19-46	2.86
					05-13-46	0.52
					09-11-46	0.00
					01-21-47	3.10
					04-04-47	93.2
					04-10-47	161
					04-17-47	41.8
					05-14-47	13.4
					11-20-47	10.1
					05-18-48	49.5
					08-26-48	0.00
					11-30-48	0.03
					03-16-49	6.19
					06-06-49	1.38
					10-03-49	0.00
					01-27-50	86.5
					04-20-50	23.9
					08-04-50	0.00
					04-14-52	62.3
					08-17-70	0.26
					08-09-71	0.02
					08-10-71	1.75
					11-01-71	0.03

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04172110	Horseshoe Lake Outlet	Huron River	Lat 42°25'19", long 83°46'00", in NW1/4 sec.06, T.01 S., R.06 E., Washtenaw County, at Eight Mile Rd., 1.3 miles northwest of Whitmore Lake, MI.	24.4	10-06-70	1.04
04172135	Horseshoe Lake Outlet	Huron River	Lat 42°26'51", long 83°48'07", in SW1/4 SW1/4 sec.25, T.01 N., R.05 E., Livingston County, at Hamburg Rd., at Hamburg, MI.	29.7	02-05-64	0.49
					10-06-70	1.21
04172136	Horseshoe Lake Outlet	Huron River	Lat 42°26'52", long 83°48'07", in SW1/4 SW1/4 sec.25, T.01 N., R.05 E., Livingston County, below the waste water treatment plant, at Hamburg, MI.	---	10-06-70	1.52
04172140	Horseshoe Lake Outlet	Huron River	Lat 42°27'11", long 83°49'17", in NW1/4 sec.26, T.01 N., R.05 E., Livingston County, at Merrill Rd., 1.0 mile west of Hamburg, MI.	30.7	08-18-70	2.84
					10-06-70	3.49
					08-10-71	1.75
					07-28-76	3.84
					07-29-76	6.82
					10-12-76	4.33
					05-04-77	22.6
					06-09-77	5.11
					07-12-77	2.59
					08-08-77	2.42
					01-11-78	7.45
					03-14-78	11.1
					04-11-78	37.8
04172150	Chilson Creek	Huron River	Lat 42°30'22", long 83°51'40", in SE1/4 NW1/4 sec.04, T.01 N., R.05 E., Livingston County, at Bishop Lake Rd., 3.8 miles southwest of Brighton, MI.	---	08-17-73	3.84
					08-29-73	2.08
					09-06-73	1.56
04172155	Chilson Creek	Huron River	Lat 42°29'52", long 83°51'33", in NW1/4 NE1/4 sec.09, T.01 N., R.05 E., Livingston County, at Chilson Rd., 1.4 miles north of Pettysville, MI.	---	08-17-73	4.97
					08-29-73	2.99
					09-06-73	3.01
					07-23-80	3.46
					06-28-84	2.89
					08-17-84	1.22
04172160	Chilson Creek	Huron River	Lat 42°29'10", long 83°51'40", in SE1/4 SW1/4 sec.09, T.01 N., R.05 E., Livingston County, 300 feet downstream of Ann Arbor RR bridge, 0.6 mile north of Pettysville, MI.	---	08-17-73	6.00
					08-29-73	3.03
					09-06-73	2.86
					09-14-73	2.15
					07-23-80	2.98
04172165	Chilson Creek	Huron River	Lat 42°28'40", long 83°51'56", in SW1/4 NW1/4 sec.16, T.01 N., R.05 E., Livingston County, at Kimble Rd., 300 feet below Luetz Mill Pond Dam, at Pettysville, MI.	---	08-29-73	1.90
					09-06-73	2.83
					07-23-80	2.16
					06-28-84	2.44
					08-17-84	1.24
04172170	Chilson Creek	Huron River	Lat 42°27'58", long 83°51'28", in NW1/4 sec.21, T.01 N., R.05 E., Livingston County, at State Hwy. M-36, 1.0 mile west of Lakeland, MI.	15.5	08-18-70	2.20
					08-10-71	0.69
04172180	Hay Creek	Chilson Creek	Lat 42°30'03", long 83°53'59", in SE1/4 sec.06, T.01 N., R.05 E., Livingston County, at Chambers Rd., 3.5 miles northeast of Pinckney, MI.	---	04-25-52	2.92
					05-09-52	1.49
					06-12-52	1.16
					07-22-52	0.76
					08-18-52	0.39
					09-25-52	0.31
					10-20-52	0.63
					11-10-52	0.44
					12-12-52	2.11
					01-09-53	1.00
					02-19-53	0.69
					04-06-53	2.98
					05-04-53	3.07
					06-19-53	0.76
					08-10-53	0.38
					09-14-53	0.10
					10-05-53	0.17
					12-15-53	0.67
					01-11-54	0.48
					02-15-54	1.41
					03-15-54	2.09
					04-22-54	3.84
					05-10-54	1.61
					06-23-54	6.49
					07-19-54	0.44
					08-19-54	0.21
					09-13-54	0.10

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements: Date	Measurements: Discharge (ft^3/s)
04172200	Arms Creek	Huron River	Lat 42°25'16", long 83°52'30", in NE1/4 sec.05, T.01 S., R.05 E., Washtenaw County, at Mast Rd., 4.4 miles southwest of Hamburg, MI.	20.9	04-15-52	60.2
					04-25-52	22.7
					05-14-52	7.10
					10-17-52	3.40
					09-29-67	2.28
					10-20-67	3.43
					11-29-67	5.93
					12-29-67	10.7
					12-29-67	15.4
					02-15-68	13.6
					03-22-68	23.6
					04-12-68	15.8
					05-08-68	8.49
					06-06-68	14.6
					07-12-68	20.0
					08-19-68	8.30
					09-03-68	5.68
					10-24-68	2.48
					11-09-68	8.37
					12-20-68	8.53
					01-24-69	56.8
					02-20-69	9.12
					03-20-69	15.1
					07-11-69	10.3
					09-25-69	3.48
					02-11-70	5.53
					05-22-70	17.0
					07-22-70	10.1
					08-18-70	3.80
					10-20-70	4.77
					05-27-71	5.56
					08-10-71	1.71
					11-01-71	2.33
					11-26-71	2.39
04172250	Portage Creek	Portage River	Lat 42°25'27", long 84°07'09", in NE1/4 sec.06, T.01 S., R.03 E., Washtenaw County, at Bowdish Rd., 1.5 miles southwest of Williamsville, MI.	16.4	08-17-70	3.60
					08-09-71	1.08
					11-01-71	2.77
04172300	Portage Creek	Portage River	Lat 42°26'09", long 84°05'39", in NW1/4 sec.33, T.01 N., R.03 E., Livingston County, at Williamsville Rd., at Williamsville, MI.	33.2	10-04-44	8.39
					08-28-46	1.72
					09-17-46	0.66
					10-23-46	5.77
					12-10-46	16.2
					01-22-47	37.0
					08-17-70	6.98
					08-10-71	1.66
04172350	Portage Creek	Portage River	Lat 42°26'11", long 84°04'33", in NW1/4 sec.34, T.01 N., R.03 E., Livingston County, at Roepke Rd., 1.0 mile northwest of Unadilla, MI.	---	10-04-44	6.41
					11-09-44	8.58
					03-09-45	37.8
					04-06-45	68.3
					05-20-45	170
					05-24-45	103
					04-09-46	19.5
					09-13-46	2.31
					01-22-47	20.2
					03-20-47	47.0
					04-18-47	93.1
					05-14-47	44.9
					09-25-47	22.6
					12-18-47	39.0
					05-21-48	66.1
					08-26-48	5.12
					11-30-48	18.2
					03-16-49	27.8
					06-22-49	27.7
					09-27-49	11.2
					01-24-50	49.5
					04-19-50	64.8
					07-21-50	14.9
					11-06-50	17.1
					05-15-51	61.4
					08-27-51	8.34
					11-28-51	30.7
					02-25-52	24.7
					06-11-52	20.0
					08-18-52	6.92
					10-23-52	7.07

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04172400	South Lake Outlet	Portage Creek	Lat 42°24'22", long 84°04'42", in NE1/4 sec.09, T.01 S., R.03 E., Washtenaw County, at Boyce Rd., 2.0 miles southwest of Unadilla, MI.	15.7	08-24-55	1.08
					09-22-55	0.00
					01-25-56	2.68
					04-24-56	11.1
					06-07-56	8.17
					08-03-56	1.39
					08-22-56	3.62
					09-20-56	2.41
					10-15-56	1.36
					11-13-56	2.26
					02-06-57	4.80
					02-06-58	4.80
					04-03-58	6.90
					05-08-58	3.55
					10-20-58	1.56
					06-09-59	2.09
					09-14-59	1.14
					04-22-60	19.0
					08-02-60	2.17
					10-12-60	1.14
					01-13-61	2.08
					05-23-61	4.62
					09-12-61	5.73
					03-27-62	22.7
					07-19-62	0.58
					09-28-62	4.34
					04-17-63	5.82
					08-17-70	3.24
					08-09-71	0.18
					11-01-71	2.36
04172415	Livermore Creek	Portage Creek	Lat 42°27'37", long 84°03'30", in NW1/4 sec.24, T.01 N., R.03 E., Livingston County, at State Hwy. M-36, 2.2 miles northeast of Unadilla, MI.	8.42	08-17-70	0.73
					08-10-71	0.10
04172420	Portage River	Huron River	Lat 42°25'29", long 84°00'11", in SE1/4 sec.31, T.01 N., R.04 E., Livingston County, at Glenbrook Rd., 1.0 mile southwest of Hell, MI.	71.4	08-09-71	2.19
					11-01-71	16.4
04172430	Gosling Lake Outlet	Portage River	Lat 42°26'15", long 84°00'10", in NW1/4 sec.32, T.01 N., R.04 E., Livingston County, 3.0 miles southwest of Pinckney, MI.	1.34	08-24-55	0.00
					09-22-55	0.00
					01-25-56	0.00
					04-24-56	0.22
					06-07-56	0.31
					08-03-56	0.00
					08-22-56	0.00
					09-20-56	0.00
					10-15-56	0.00
					11-13-56	0.00
					02-06-57	0.00
					02-06-58	0.00
					04-03-58	0.19
					05-08-58	0.15
					10-20-58	0.00
					06-09-59	0.12
					09-14-59	0.00
					04-22-60	0.53
					08-02-60	0.00
					10-12-60	0.00
					01-13-61	0.00
					05-23-61	0.07
					09-12-61	0.16
					03-27-62	0.44
					07-19-62	0.01
					09-28-62	0.04
					04-17-63	0.06
04172460	Crooked Lake Outlet	Portage River	Lat 42°25'31", long 83°59'20", in SE1/4 sec.32, T.01 N., R.04 E., Livingston County, 3.5 miles southwest of Pinckney, MI.	2.08	08-24-55	0.02
					09-22-55	0.01
					01-25-56	0.43
					04-24-56	0.71
					06-07-56	1.41
					08-03-56	0.09
					08-22-56	0.66
					09-20-56	0.11
					10-15-56	0.09
					11-13-56	0.34
					02-06-57	0.78
					02-06-58	0.78
					04-03-58	0.93
					05-08-58	0.56

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04172460	Crooked Lake Outlet	Portage River	Continued		10-20-58	0.27
					06-09-59	0.42
					09-14-59	0.37
					04-22-60	1.38
					08-02-60	0.13
					10-12-60	0.10
					01-13-61	0.56
					05-23-61	1.10
					09-12-61	0.82
					03-27-62	3.30
					07-19-62	0.22
					09-28-62	0.88
					04-17-63	0.83
04172470	Portage River	Huron River	Lat 42°26'05", long 83°59'18", in NE1/4 sec.32, T.01 N., R.04 E., Livingston County, at Patteron Lake Rd., 2.0 miles southwest of Pinckney, MI.	89.4	08-28-46	1.72
					09-17-46	0.66
					10-13-46	5.77
					12-12-46	16.2
					01-22-47	37.0
04172500	Portage River	Huron River	Lat 42°25'40", long 83°57'35", in SW1/4 sec.34, T.01 N., R.04 E., Livingston County, at Tiplady Rd., 2.2 miles southwest of Pinckney, MI.	79.1	11-01-71	18.2
					07-29-76	20.4
					10-12-76	34.4
					08-08-83	14.8
04172600	Portage River	Huron River	Lat 42°24'26", long 83°56'32", in NW1/4 sec.11, T.01 S., R.04 E., Washtenaw County, at Stinchfield Woods Rd., 3.5 miles south of Pinckney, MI.	2.44	08-24-55	0.06
					09-22-55	0.04
					01-25-56	0.18
					04-24-56	0.53
					06-07-56	0.86
					08-03-56	0.00
					08-22-56	0.00
					09-20-56	0.00
					10-15-56	0.00
					11-13-56	0.00
					02-06-57	0.33
					04-03-58	0.59
					05-08-58	0.44
					10-20-58	0.10
					06-09-59	0.12
					09-14-59	0.04
					04-22-60	2.29
					08-02-60	0.07
					10-12-60	0.05
					01-13-61	0.10
					05-23-61	0.42
					09-12-61	0.15
					03-27-62	1.93
					07-19-62	0.20
					09-28-62	0.35
					04-17-63	0.41
04172605	Portage Lake Outlet	Huron River	Lat 42°25'09", long 83°54'20", in SE1/4 NE1/4 sec.01, T.01 S., R.04 E., Washtenaw County, at old outlet structure, 1.2 miles northwest of Dover, MI.	---	05-04-77	12.9
04172606	Portage Lake Outlet	Huron River	Lat 42°24'55", long 83°54'20", in SE1/4 SE1/4 sec.01, T.01 S., R.04 E., Washtenaw County, at McGregor Rd., DNR access site, 1.0 mile northwest of Dover, MI.	---	05-04-77	272
					11-08-77	160
					12-05-77	114
					01-11-78	64.3
					02-14-78	43.3
					03-14-78	23.8
					04-11-78	313
04173150	Mill Creek	Huron River	Lat 42°15'06", long 84°02'02", in SW1/4 sec.36, T.02 S., R.03 E., Washtenaw County, at Manchester Rd., 3.3 miles southeast of Sylvan, MI.	11.1	02-10-70	7.61
					06-23-70	5.60
					08-17-70	2.85
					02-17-71	7.81
					03-29-71	19.7
					05-10-71	6.16
					08-09-71	2.13
					11-01-71	3.46
					07-10-72	8.49
04173153	Pleasant Lake Extension Drain	Mill Creek	Lat 42°13'26", long 84°00'10", in SE1/4 sec.07, T.03 S., R.04 E., Washtenaw County, at Esch Rd., 2.5 miles northwest of Fredonia, MI.	11.0	08-09-71	1.55

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	 Discharge (ft³/s)
04173155	Pleasant Lake Extension Drain	Mill Creek	Lat 42°14'51", long 84°01'46", in NW1/4 sec.01, T.03 S., R.03 E., Washtenaw County, at Waldo Rd., 3.7 miles southeast of Sylvan, MI.	23.8	02-10-70	7.81
					06-23-70	5.37
					08-17-70	3.35
					02-17-71	9.63
					03-29-71	24.2
					05-10-71	5.66
					08-09-71	2.42
					11-01-71	3.81
					07-10-72	2.99
04173230	Mill Creek	Huron River	Lat 42°15'30", long 84°00'51", in NE1/4 SE1/4 sec.36, T.02 S., R.03 E., Washtenaw County, on Scio Church Rd., 4.2 miles south of Chelsea, MI.	37.3	01-15-70	10.9
04173250	Mill Creek	Huron River	Lat 42°15'56", long 83°56'45", in NE1/4 sec.34, T.02 S., R.04 E., Washtenaw County, at Guenther Rd., 2.2 miles south of Lima Center, MI.	47.3	09-27-67	6.65
					10-20-67	18.7
					11-29-67	17.6
					12-20-67	30.3
					01-30-68	176
					02-27-68	14.3
					03-21-68	56.9
					04-12-68	31.2
					05-23-68	22.8
					06-05-68	32.2
					07-16-68	28.8
					08-19-68	28.1
					09-04-68	16.3
					10-25-68	15.1
					12-11-68	23.4
					12-19-68	23.8
					01-23-69	95.6
					02-17-69	21.3
					03-21-69	38.4
					07-11-69	27.2
					09-26-69	11.9
					02-10-70	19.0
					05-22-70	20.0
					07-24-70	52.3
					10-21-70	23.1
					05-26-71	16.2
					08-10-71	8.08
					11-01-71	10.8
					08-25-72	13.2
					03-15-73	119
					03-22-73	107
					06-13-73	24.8
					07-11-73	34.0
					09-20-73	13.5
					08-03-74	16.2
					06-02-75	20.5
					07-10-75	14.7
					08-14-75	11.3
04173252	Haas Drain	Mill Creek	Lat 42°16'02", long 83°55'23", in NW1/4 NE1/4 sec.35, T.02 S., R.04 E., Washtenaw County, at Liberty Rd., 2.5 miles southeast of Lima Center, MI.	9.70	08-17-70	0.51
					08-09-71	0.47
					11-01-72	0.56
					05-05-81	5.34
					06-01-81	6.78
					07-07-81	0.81
					08-18-81	0.66
					09-09-81	12.4
					09-15-81	4.15
					10-01-81	51.3
					10-20-81	4.15
					11-20-81	12.2
					12-21-81	1.56
					01-05-82	9.86
					01-25-82	2.44
					02-10-82	3.02
					03-03-82	3.51
					03-29-82	23.8
					05-05-82	2.90
04173256	Mill Creek	Huron River	Lat 42°16'53", long 83°55'22", in NW1/4 NE1/4 sec.26, T.02 S., R.04 E., Washtenaw County, at Jerusalem Rd., 2.0 miles southeast of Lima Center, MI.	59.8	08-17-70	8.92
					08-09-71	8.08
					11-01-71	10.8
					05-05-81	39.4
					06-01-81	49.4
					07-07-81	18.4
					08-18-81	12.4
					09-15-81	31.1
					10-01-81	354

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	Measurements Discharge (ft³/s)
04173254	Mill Creek	Huron River	Continued		10-20-81	36.1
					11-20-81	53.8
					12-21-81	24.3
					01-05-82	78.9
					01-25-82	25.4
					02-10-82	25.0
					03-03-82	29.0
					03-29-82	107
					05-05-82	30.3
04173300	North Fork Mill Creek	Mill Creek	Lat 42°19'16", long 84°02'40", in SE1/4 sec.02, T.02 S., R.03 E., Washtenaw County, at Ivey Rd. 1.5 miles northwest of Chelsea, MI.	7.73	08-24-55	0.30
					09-22-55	0.24
					01-25-56	1.72
					04-24-56	2.74
					06-07-56	3.88
					08-03-56	0.80
					08-22-56	1.01
					09-20-56	0.43
					10-15-56	0.70
					11-13-56	0.69
					02-06-57	1.82
					04-03-58	2.41
					05-08-58	1.54
					10-20-58	0.36
					06-09-59	0.89
					09-14-59	0.26
					10-12-60	0.48
					01-13-61	0.86
					05-23-61	2.31
					09-12-61	0.95
					03-27-62	11.3
					07-19-62	0.39
					09-28-62	0.54
					04-17-63	2.00
04173310	North Fork Mill Creek	Mill Creek	Lat 42°19'34", long 84°00'57", in SE1/4 sec.01, T.02 S., R.03 E., Washtenaw County, at McKinley Rd., 0.5 mile north of Chelsea, MI.	14.6	06-08-44	7.56
					07-26-44	2.50
					08-29-44	1.11
					10-04-44	2.68
					02-19-45	6.52
					03-13-45	11.6
					04-05-45	25.7
					05-23-45	47.1
					04-09-46	4.92
					09-09-46	0.69
					01-22-47	5.62
					03-21-47	10.4
					04-22-60	17.2
					08-02-60	1.14
					08-17-61	0.62
					08-17-70	1.67
					08-09-71	0.45
					11-01-71	2.78
					08-10-82	2.08
04173318	Letts Creek	North Fork Mill Creek	Lat 42°19'27", long 84°02'12", in SE1/4 SE1/4 sec.02, T.02 S., R.04 E., Washtenaw County, at Sibley Rd., 0.5 mile northeast of Chelsea, MI.	---	08-10-82	2.52
04173320	Letts Creek	North Fork Mill Creek	Lat 42°19'29", long 84°01'15", in NE1/4 sec.12, T.02 S., R.03 E., Washtenaw County, at Manchester Rd.(State Hwy.M-52), at Chealsea, MI.	18.8	08-16-57	2.20
					09-12-57	2.27
					10-10-57	3.41
					12-27-57	28.5
					04-03-58	8.39
					05-14-58	3.58
					10-20-58	2.61
					06-09-59	3.56
					08-17-61	2.07
					02-11-70	6.84
					06-23-70	8.76
					08-17-70	4.07
					02-17-71	7.83
					03-29-71	31.0
					05-10-71	7.64
					08-09-71	1.66
					11-01-71	4.44
					07-10-72	3.37
04173321	Letts Creek	North Fork Mill Creek	Lat 42°19'34", long 84°00'54", in SE1/4 SE1/4 sec.01, T.02 S., R.04 E., Washtenaw County, at McKinley Rd., 0.1 mile north of Chelsea, MI.	---	09-09-82	3.18

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04173330	North Fork Mill Creek	Mill Creek	Lat 42°19'19", long 83°58'45", in NE1/4 sec.08, T.02 S., R.04 E., Washtenaw County, at Dexter-Chelsea Rd., 1.5 miles east of Chelsea, MI.	38.2	06-08-44	16.4
					07-26-44	3.10
					08-29-44	1.44
					10-04-44	4.06
					02-19-45	18.9
					03-14-45	26.4
					04-05-45	126
					05-23-45	118
					04-09-46	17.0
					07-09-46	1.54
					01-22-47	24.2
					03-21-47	58.3
					08-17-61	2.96
					07-28-76	9.62
					10-12-76	7.34
					08-10-82	7.70
04173335	Fourmile Lake Outlet	North Fork Mill Creek	Lat 42°19'25", long 83°58'23", in NW1/4 sec.09, T.02 S., R.04 E., Washtenaw County, at Dexter-Chelsea Rd., 2.5 miles east of Chelsea, MI.	9.81	06-08-44	3.26
					07-26-44	0.07
					08-29-44	0.00
					10-04-44	0.00
					03-14-45	0.74
					04-05-45	2.19
					05-23-45	2.70
					04-09-46	0.37
					01-22-47	0.53
					08-17-70	0.09
					08-09-71	0.01
					11-01-71	0.06
04173340	North Fork Mill Creek	Mill Creek	Lat 42°18'37", long 83°57'51", in SW1/4 SE1/4 sec.09, T.02 S., R.04 E., Washtenaw County, at Trinkle Rd., 1.0 mile north of Lima Center, MI	51.8	08-16-57	4.73
					09-12-57	5.14
					10-10-57	5.07
					12-27-57	59.9
					04-03-58	20.9
					05-14-58	8.98
					10-20-58	4.90
					06-09-59	7.55
04173342	North Fork Mill Creek	Mill Creek	Lat 42°17'57", long 83°57'41", in SE1/4 sec.16, T.02 S., R.04 E., Washtenaw County, at old U.S. Hwy. 12, 3.0 miles southeast of Chelsea, MI.	---	08-10-82	7.70
04173343	North Fork Mill Creek	Mill Creek	Lat 42°17'42", long 83°52'26", in NE1/4 NE1/4 sec.21, T.02 S., R.04 E., Washtenaw County, at Lima Center Rd., 0.2 mile south of Lima Center, MI.	53.0	08-09-71	2.70
04173347	Unnamed tributary	North Fork Mill Creek	Lat 42°17'22", long 83°57'26", in NE1/4 sec.21, T.02 S., R.04 E., Washtenaw County, at Lima Center Rd., 0.5 mile south of Lima Center, MI.	5.00	08-09-71	0.36
04173350	North Fork Mill Creek	Mill Creek	Lat 42°17'15", long 83°56'14", in SW1/4 sec.23, T.02 S., R.04 E., Washtenaw County, at Dancer Rd., 1.2 miles southeast of Lima Center, MI.	59.0	02-11-70	21.8
					06-23-70	22.8
					08-17-70	8.79
					02-17-71	25.5
					03-29-71	84.5
					05-10-71	19.4
					08-09-71	3.51
					11-01-71	8.32
					07-10-72	7.83
					08-10-82	10.7
04173400	Unnamed tributary	Mill Creek	Lat 42°16'56", long 83°54'24", in NE1/4 sec.25, T.02 S., R.04 E., Washtenaw County, at Jerusalem Rd., 2.8 miles southeast of Lima Center, MI.	8.46	02-10-70	2.23
					06-23-70	2.01
					08-17-70	1.19
					02-17-71	2.78
					03-29-71	9.08
					05-10-71	2.01
					08-10-71	0.47
					11-01-71	0.80
					07-10-72	1.19
04173550	Mill Creek	Huron River	Lat 42°17'15", long 83°56'14", in NW1/4 sec.06, T.02 S., R.05 E., Washtenaw County, at Island Lake Rd., at Dexter, MI.	143	08-18-70	23.6
					08-09-71	13.1
					11-01-71	25.2
04174000	Huron River	Lake Erie	Lat 42°20'28", long 83°52'48", in SW1/4 sec.32, T.02 S., R.05 E., Washtenaw County, at Mast Rd., at Dexter, MI.	686	08-18-70	128
					08-09-71	61.8
					11-01-71	174

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04174030	Unnamed tributary	Huron River	Lat 42°19'59", long 83°49'08", in SW1/4 sec.02, T.02 S., R.05 E., Washtenaw County, at Huron River Dr., at Delhi Mills, MI.	8.02	08-18-70	0.00
					08-09-71	0.95
					11-01-71	1.04
04174290	Honey Creek	Huron River	Lat 42°17'24", long 83°50'05", in SE1/4 sec.21, T.02 S., R.05 E., Washtenaw County, at Zeeb Rd., 2.2 miles south of Scio, MI.	8.99	01-19-65	0.83
					08-18-70	1.01
					08-09-71	0.21
					11-01-71	0.39
04174295	Honey Creek	Huron River	Lat 42°17'46", long 83°49'14", in NE1/4 sec.22, T.02 S., R.05 E., Washtenaw County, at Lake Rd., 2.0 miles southeast of Scio, MI.	16.2	01-19-65	1.44
04174300	Honey Creek	Huron River	Lat 42°18'34", long 83°48'28", in NE1/4 sec.14, T.02 S., R.05 E., Washtenaw County, at Miller Rd., 1.4 miles west of Foster, MI.	22.4	02-10-70	4.81
					06-23-70	5.08
					08-18-70	3.02
					02-17-71	6.54
					03-29-71	15.4
					05-10-71	5.68
					08-10-71	1.64
					11-01-71	2.91
					07-11-72	2.79
04174510	Allen Creek	Huron River	Lat 42°17'51", long 83°43'54", in SW1/4 sec.21, T.02 S., R.06 E., Washtenaw County, at Plymouth Rd., at Ann Arbor, MI.	6.99	11-17-65	2.85
					08-17-70	0.68
					08-09-71	0.22
					11-01-71	0.41
04174515	Pittsfield Drain	Huron River	Lat 42°14'42", long 83°42'17", in SE1/4 SE1/4 sec.03, T.03 S., R.06 E., Washtenaw County, at Packard Rd., near Ann Arbor, MI.	9.14	09-01-49	1.64
					09-26-49	1.48
					10-04-49	1.66
					11-01-49	1.85
					12-05-49	3.11
					01-25-50	28.4
					01-31-50	4.20
04174517	Pittsfield Drain	Huron River	Lat 42°15'23", long 83°41'37", in NW1/4 sec.02, T.03 S., R.06 E., Washtenaw County, at Washtenaw Ave., near Ann Arbor, MI.	10.6	09-01-49	1.84
					09-26-49	1.84
					10-04-49	1.70
					11-01-49	2.00
					12-05-49	3.28
					01-25-50	32.3
					01-31-50	5.30
04174518	Pittsfield Drain	Huron River	Lat 42°15'54", long 83°41'10", in SE1/4 sec.35, T.02 S., R.06 E., Washtenaw County, at Huron River Dr., 3.0 miles east of Ann Arbor, MI.	11.0	08-17-70	5.22
					08-09-71	2.33
					11-01-71	2.34
04174519	Swift Run Drain	Huron River	Lat 42°14'43", long 83°41'30", in NE1/4 NW1/4 sec.11, T.03 S., R.06 E., Washtenaw County, at Packard Rd., near Ann Arbor, MI.	---	09-01-49	0.00
					09-26-49	0.00
					10-04-49	0.00
					11-01-49	0.01
					12-05-49	0.00
					01-25-50	3.49
					01-31-50	2.00
04174520	Swift Run Drain	Huron River	Lat 42°15'22", long 83°40'51", in NE1/4 sec.02, T.03 S., R.06 E., Washtenaw County, at Hogback Rd., near Ann Arbor, MI.	3.65	09-01-49	0.20
					09-26-49	0.36
					10-04-49	0.19
					11-01-49	0.26
					12-05-49	0.67
					01-25-50	4.62
					01-31-50	2.04
04174680	Fleming Creek	Huron River	Lat 42°19'05", long 83°38'16", in NW1/4 sec.17, T.02 S., R.07 E., Washtenaw County, at Ford Rd.(M-153), 1.0 mile east of Dixboro, MI.	15.0	02-09-70	4.74
					06-23-70	7.03
					08-18-70	1.20
					02-17-71	4.94
					03-29-71	14.5
					05-11-71	2.75
					08-10-71	0.46
					11-01-71	0.91
					07-10-72	1.87

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements	
					Date	Discharge (ft³/s)
04174690	Unnamed tributary	Fleming Creek	Lat 42°19'02", long 83°38'46", in NE1/4 sec.18, T.02 S., R.07 E., Washtenaw County, at Ford Rd.(M-153), 0.6 mile northeast of Dixboro, MI.	8.08	02-09-70 06-23-70 08-18-70 02-17-71 03-29-71 05-11-71 08-10-71 11-01-71 07-10-72	2.66 3.27 0.47 2.68 5.62 0.94 0.11 1.01 0.40
04174710	Fleming Creek	Huron River	Lat 42°16'28", long 83°40'02", in SE1/4 sec.25, T.02 S., R.06 E., Washtenaw County, at Geddes Rd., 0.5 mile north of Geddes, MI.	30.6	08-17-70 08-09-71 11-01-71 07-28-76 10-12-76	5.17 3.31 6.11 9.88 8.46
04174800	Huron River	Lake Erie	Lat 42°14'57", long 83°36'45", in NE1/4 sec.09, T.03 S., R.07 E., Washtenaw County, at Michigan Ave., at Ypsilanti, MI.	808	03-21-61 04-15-61 04-28-61 08-18-70 08-09-71 11-01-71	550 446 1650 436 105 149
04174950	Willow Run	Huron River	Lat 42°13'07", long 83°32'02", in SW1/4 sec.18, T.03 S., R.08 E., Wayne County, 1.1 miles upstream of mouth, at Rawsonville, MI.	4.11	04-08-69	25.2
04175010	Huron River	Lake Erie	Lat 42°12'39", long 83°26'05", in NE1/4 SW1/4 sec.24, T.03 S., R.08 E., Wayne County, below Belleville Dam, 1.8 miles east of Belleville, MI.	833	05-01-79 08-16-79	810 129
04175020	Griggs Drain	Huron River	Lat 42°11'01", long 83°26'15", in NW1/4 sec.36, T.03 S., R.08 E., Wayne County, at Haggerty Hwy., 3.0 miles southeast of Belleville, MI.	9.95	08-18-70 08-10-71	0.17 0.12
04175023	Huron River	Lake Erie	Lat 42°11'15", long 83°25'31", in NE1/4 sec.36, T.03 S., R.08 E., Wayne County, at Lower Huron Metropolitan Parkway, 1.0 mile northwest of New Boston, MI.	849	06-15-76 10-12-76 04-26-77 08-10-77	311 281 2340 299
R 04175100	Huron River	Lake Erie	Lat 42°05'38", long 83°17'42", in SE1/4 SW1/4 sec.31, T.05 S., R.10 E., Wayne County, above bridge at city park, at Flat Rock, MI.	866	11-15-51 04-28-61 08-18-70 08-10-71 07-14-82 09-03-82 09-14-82	1450 2990 89.6 44.9 191 222 154
04175125	Silver Creek	Huron River	Lat 42°03'34", long 83°13'27", in NW1/4 sec.14, T.05 S., R.10 E., Wayne County, on Streicher Rd., 1.5 miles southeast of Rockwood, MI.	22.9	08-18-70 08-10-71	0.00 0.53
04175140	Bradshaw Drain	Swan Creek	Lat 42°05'09", long 83°30'49", in SW1/4 sec.32, T.04 S., R.08 E., Wayne County, at Oakville-Waltz Rd., 3.5 miles east of Oakville, MI.	10.5	08-31-71 05-24-72	1.02 3.89
04175155	Swan Creek	Lake Erie	Lat 42°04'39", long 83°28'51", in SE1/4 sec.04, T.05 S., R.08 E., Monroe County, at Sumpter Rd., 4.6 miles west of Carleton, MI.	14.1	08-05-71	0.00
04175160	Swan Creek	Lake Erie	Lat 42°04'29", long 83°25'52", in SE1/4 SW1/4 sec.01, T.05 S., R.08 E., Monroe County, at Carleton-West Rd., 2.3 miles northwest of Carleton, MI.	27.4	08-31-71 08-24-72	0.00 4.38
04175173	Disbrow Drain	Swan Creek	Lat 42°05'05", long 83°25'53", in NE1/4 SW1/4 sec.01, T.05 S., R.08 E., Monroe County, at Carleton-West Rd., 2.5 miles northwest of Carleton, MI.	9.64	08-31-71 08-24-72	0.08 1.97
04175175	Swan Creek	Lake Erie	Lat 42°04'22", long 83°24'35", in NW1/4 sec.07, T.05 S., R.09 E., Monroe County, at Burns Rd., 1.3 miles northwest of Carleton, MI.	28.5	08-05-71	0.00

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04175180	Swan Creek	Lake Erie	Lat 42°04'22", long 83°22'52", in SE1/4 NE1/4 sec.08, T.05 S., R.09 E., Monroe County, at Grafton Rd., 1.0 mile northeast of Carleton, MI.	35.0	08-31-71 05-04-72 07-16-73	0.08 7.38 1.65
04175195	North Branch Swan Creek	Swan Creek	Lat 42°07'11", long 83°25'17", in SW1/4 sec.24, T.04 S., R.08 E., Wayne County, at Carleton-West Rd., 2.5 miles northwest of Waltz, MI.	13.5	08-31-71 05-24-72	0.00 3.18
04175205	North Branch Swan Creek	Swan Creek	Lat 42°05'37", long 83°23'02", in NE1/4 sec.05, T.05 S., R.09 E., Monroe County, at Will Carleton Dr., at Waltz, MI.	20.3	08-05-71	0.00
04175207	North Branch Swan Creek	Swan Creek	Lat 42°04'45", long 83°22'08", in SW1/4 SE1/4 sec.04, T.05 S., R.09 E., Monroe County, at Newburg Rd., 1.7 miles northeast of Carleton, MI.	21.1	08-31-71 05-04-72 07-16-73	0.00 3.62 0.63
R 04175212	Swan Creek	Lake Erie	Lat 42°02'27", long 83°19'35", in SE1/4 sec.23, T.05 S., R.09 E., Monroe County, above Little Swan Creek, 2.0 miles southeast of South Rockwood, MI.	---	07-12-63 09-14-82	0.00 0.00
R 04175225	Little Swan Creek	Swan Creek	Lat 42°02'28", long 83°20'45", in NE1/4 SE1/4 sec.22, T.05 S., R.09 E., Monroe County, at Sweitzer Rd., 2.6 miles southeast of Carleton, MI.	11.8	08-31-71 05-04-72 07-16-73	0.00 1.22 0.12
04175227	Little Swan Creek	Swan Creek	Lat 42°02'26", long 83°19'36", in SE1/4 sec.23, T.05 S., R.09 E., Monroe County, above Swan Creek, 2.0 miles southwest of South Rockwood, MI.	---	07-12-63 09-14-82	0.20 0.00
04175228	Swan Creek	Lake Erie	Lat 42°02'17", long 83°19'27", in SE1/4 SE1/4 sec.23, T.05 S., R.09 E., Monroe County, at trailer park off U.S. Hwy. 24, 3.1 miles southwest of South Rockwood, MI.	---	08-30-84	0.00
04175235	Swan Creek	Lake Erie	Lat 42°00'12", long 83°18'02", in NE1/4 sec.01, T.06 S., R.09 E., Monroe County, at Brandon Rd., at Newport, MI.	88.4	08-31-71 05-24-72	0.00 18.5
04175250	Little Swan Creek	Swan Creek	Lat 41°59'47", long 83°18'48", in SW1/4 sec.01, T.06 S., R.09 E., Monroe County, at Newport South Rd., 0.7 mile southwest of Newport, MI.	4.08	05-24-72	0.22
R 04175280	Stony Creek	Lake Erie	Lat 42°06'48", long 83°36'30", in SE1/4 sec.21, T.04 S., R.07 E., Washtenaw County, at Willow Rd., 2.7 miles northwest of Oakville, MI.	6.32	08-18-70 08-09-71 08-31-71 11-01-71	0.90 1.05 0.87 1.68
R 04175290	Sugar Creek	Stony Creek	Lat 42°05'54", long 83°36'31", in NE1/4 sec.23, T.04 S., R.07 E., Washtenaw County, at Fuller Rd., 1.7 miles northwest of Oakville, MI.	13.5	02-24-70 06-23-70 08-18-70 08-09-71 08-31-71 11-01-71 05-04-72	7.55 1.59 0.15 0.00 0.00 0.49 2.49
R 04175315	Paint Creek	Stony Creek	Lat 42°11'18", long 83°36'25", in NE1/4 sec.33, T.03 S., R.07 E., Washtenaw County, at Merritt Rd., 3.5 miles south of Ypsilanti, MI.	17.5	02-09-70 06-23-70 08-18-70 03-29-71 05-10-71 08-10-71 08-31-71 11-01-71 05-24-72 07-11-72 08-30-84	7.16 5.84 3.75 9.50 5.30 3.15 2.74 4.02 5.92 3.93 7.41

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04175328	Paint Creek	Stony Creek	Lat 42°06'50", long 83°34'55", in SE1/4 sec.22, T.04 S., R.07 E., Washtenaw County, at Willow Rd., 2.2 miles north of Oakville, MI.	---	09-01-71	2.57
R 04175330	Paint Creek	Stony Creek	Lat 42°05'44", long 83°35'18", in NE1/4 sec.34, T.04 S., R.07 E., Washtenaw County, at Liss Rd., 4.9 miles east of Milan, MI.	34.9	02-24-70 08-18-70 03-29-71 05-10-71 08-10-71 08-31-71 11-02-71 05-24-72 07-11-72 02-24-75 03-18-75 08-30-84	24.8 2.62 25.6 7.12 1.52 1.92 4.35 9.25 4.19 300 38.4 4.93
04175338	Stony Creek	Lake Erie	Lat 42°06'39", long 83°35'55", in SE1/4 NE1/4 sec.33, T.04 S., R.07 E., Washtenaw County, at Whittaker Rd., 4.3 miles east of Milan, MI.	---	08-30-84	1.72
04175340	Stony Creek	Lake Erie	Lat 42°05'05", long 83°34'43", in NE1/4 NE1/4 sec.03, T.05 S., R.07 E., Monroe County, at Tuttle Hill Rd., 0.3 miles northeast of Oakville, MI.	68.0	08-30-84	6.26
R 04175345	Polzin Drain	Stony Creek	Lat 42°05'17", long 83°33'36", in SE1/4 sec.35, T.04 S., R.07 E., Washtenaw County, at Torrey Rd., 1.0 mile northeast of Oakville, MI.	7.14	08-17-70 08-05-71 08-09-71 08-31-71 11-01-71 05-04-72	0.00 0.00 0.00 11.0 0.00 1.84
04175350	Stony Creek	Lake Erie	Lat 42°03'52", long 83°32'22", in SE1/4 sec.12, T.05 S., R.07 E., Monroe County, at Rawsonville Rd., 4.2 miles north of Maybee, MI.	79.0	08-05-71	2.87
04175360	Stony Creek	Lake Erie	Lat 42°02'56", long 83°30'38", in SW1/4 sec.17, T.05 S., R.08 E., Monroe County, at Timbers Rd., 2.8 miles north of Maybee, MI.	90.0	09-01-71 05-24-72	2.65 23.7
04175385	Stony Creek	Lake Erie	Lat 42°01'24", long 83°25'10", in NE1/4 sec.25, T.05 S., R.08 E., Monroe County, at Exeter Rd., 2.8 miles southwest of Carleton, MI.	105	08-05-71 08-31-71 05-24-72	3.09 2.96 28.1
04175395	Robert Drain	Stony Creek	Lat 42°00'06", long 83°23'13", in NW1/4 sec.05, T.06 S., R.09 E., Monroe County, at South Stony Creek Rd., 4.0 miles south of Carleton, MI.	8.71	09-01-71 05-24-72	0.00 1.20
04175399	Stony Creek	Lake Erie	Lat 41°58'54", long 83°22'18", in SW1/4 sec.09, T.06 S., R.09 E., Monroe County, at U.S. Hwy. 24, 5.0 miles northwest of Monroe, MI.	---	07-12-63	1.80
04175405	Stony Creek	Lake Erie	Lat 41°57'50", long 83°20'22", in NE1/4 NE1/4 sec.22, T.06 S., R.09 E., Monroe County, at Mentel Rd., 3.2 miles southwest of Newport, MI.	121	09-01-71 05-04-72 07-16-73	2.00 36.8 17.8
04175410	Stony Creek	Lake Erie	Lat 41°56'55", long 83°18'36", in NE1/4 sec.25, T.06 S., R.09 E., Monroe County, at North Dixie Highway, at Woodland Beach, MI.	---	02-19-76	1110
04175428	Sandy Creek	Lake Erie	Lat 41°58'02", long 83°23'02", in SW1/4 SE1/4 sec.17, T.06 S., R.09 E., Monroe County, at Telegraph Rd., 3.4 miles north of Monroe, MI.	12.9	09-01-71 05-24-72	0.00 2.01

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04175430	Sandy Creek	Lake Erie	Lat 41°57'32", long 83°22'37", in NW1/4 sec.21, T.06 S., R.09 E., Monroe County, at Monroe St., 3.0 miles north of Monroe, MI.	---	08-05-71	0.00
04175455	Little Sandy Creek	Sandy Creek	Lat 41°56'56", long 83°22'58", in NE1/4 sec.29, T.06 S., R.09 E., Monroe County, at Monroe St., 3.0 miles north of Monroe, MI.	10.8	08-05-71 09-01-71 05-24-72	0.00 0.01 1.87
04175460	Sandy Creek	Lake Erie	Lat 41°56'48", long 83°22'03", in NW1/4 NE1/4 sec.28, T.06 S., R.09 E., Monroe County, at Vivian Rd., at Golfcrest, MI.	---	02-19-76	191
04175463	Sandy Creek	Lake Erie	Lat 41°56'28", long 83°21'19", in SW1/4 sec.27, T.06 S., R.09 E., Monroe County, below Penn Central/Detroit & Toledo Shoreline Railroads, 1.8 miles east of Golfcrest, MI.	---	07-16-73	1.33
04175465	Sandy Creek	Lake Erie	Lat 41°56'55", long 83°18'34", in NE1/4 NE1/4 sec.34, T.06 S., R.09 E., Monroe County, at North Dixie Highway, 3.2 miles northeast of Monroe, MI.	29.6	09-01-71 05-24-72	0.00 6.12
04175570	River Raisin	Lake Erie	Lat 42°04'27", long 84°13'58", in SE1/4 sec.41, T.04 S., R.02 E., Jackson County, at State Hwy. M-50, 2.0 miles south of Brooklyn, MI.	16.5	05-11-70 08-10-70 08-30-84	11.7 6.78 7.88
04175575	River Raisin	Lake Erie	Lat 42°06'36", long 84°14'46", in NW1/4 sec.19, T.04 S., R.02 E., Jackson County, below dam, at Brooklyn, MI.	32.3	05-11-70 08-10-70	18.9 12.6
04175580	Goose Creek	Stony Lake Outlet	Lat 42°03'37", long 84°19'29", in SW1/4 sec.04, T.05 S., R.01 E., Lenawee County, at Cement City Highway, at Cement City, MI.	24.9	05-12-70 08-10-70	14.8 8.88
04175585	Goose Creek	Stony Lake Outlet	Lat 42°06'51", long 84°14'56", in NE1/4 sec.24, T.04 S., R.01 E., Jackson County, at State Hwy. M-50, at Brooklyn, MI.	39.1	05-11-70 08-10-70 08-30-84	26.7 15.5 7.27
04175587	River Raisin	Lake Erie	Lat 42°08'15", long 84°13'15", in NE1/4 SW1/4 sec.08, T.04 S., R.02 E., Jackson County, at Wolf Lake Rd., 2.0 miles southeast of Napoleon, MI.	---	03-27-79 04-24-79 06-28-79 08-07-84	110 98.0 15.3 12.5
04175590	Stony Lake Outlet	River Raisan	Lat 42°09'19", long 84°13'15", in NW1/4 sec.05, T.04 S., R.02 E., Jackson County, at Wolf Lake Rd., near Napoleon, MI.	12.4	05-11-70 08-10-70 03-27-79 04-24-79 06-28-79	3.71 2.07 7.56 8.00 1.43
04175595	Unnamed tributary	River Raisin	Lat 42°09'37", long 84°10'18", in NE1/4 sec.03, T.04 S., R.02 E., Jackson County, below Sweezey Lake, at Norvell, MI.	13.6	05-11-70 08-10-70	0.89 2.53
04175597	River Raisin	Lake Erie	Lat 42°10'04", long 84°07'21", in SW1/4 sec.31, T.03 S., R.03 E., Washtenaw County, at Sharon Valley Rd., 2.0 miles southwest of Sharon Hollow, MI.	121	08-17-70 08-10-71 11-02-71	23.5 11.9 20.7
04175598	Unnamed tributary	River Raisin	Lat 42°10'42", long 84°06'21", in SW1/4 sec.29, T.03 S., R.03 E., Washtenaw County, at private road, 1.0 mile west of Sharon Hollow, MI.	6.14	08-10-71 11-02-71	0.00 0.66

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04175600	River Raisin	Lake Erie	Lat 42°10'05", long 84°04'34", in NE1/4 SE1/4 sec.33, T.03 S., R.03 E., Washtenaw County, at former gaging station at Sharon Valley Rd., 2.5 miles northwest of Manchester, MI.	---	08-17-55	56.0
					07-11-63	4.60
					08-07-84	15.9
04175610	River Raisin	Lake Erie	Lat 42°08'52", long 84°00'56", in SE1/4 SE1/4 sec.01, T.04 S., R.03 E., Washtenaw County, at Austin Rd., 0.5 mile east of Manchester, MI.	148	08-17-70	50.0
					08-10-71	19.8
					11-02-71	17.8
					08-08-79	104
					09-11-79	33.0
					08-07-84	17.7
04175620	Unnamed tributary	River Raisan	Lat 42°08'38", long 83°59'18", in SW1/4 sec.08, T.04 S., R.04 E., Washtenaw County, at Austin Rd., 2.0 miles east of Manchester, MI.	5.54	08-17-70	0.56
					08-10-71	0.57
					11-02-71	0.57
04175625	River Raisin	Lake Erie	Lat 42°07'20", long 83°58'56", in SW1/4 sec.17, T.04 S., R.04 E., Washtenaw County, at Wallace Rd., at Raisan Basin, MI.	163	08-10-71	18.8
04175626	River Raisin	Lake Erie	Lat 42°07'08", long 83°58'30", in NW1/4 NE1/4 sec.20, T.04 S., R.04 E., Washtenaw County, at Wilbur Rd., 3.5 miles southeast of Manchester, MI.	---	08-08-79	119
					09-11-79	34.0
04175630	River Raisin	Lake Erie	Lat 42°05'36", long 83°58'35", in SE1/4 sec.29, T.04 S., R.04 E., Washtenaw County, at Allen Rd., 1.5 miles north of Clinton, MI.	167	05-12-70	90.6
					08-10-70	63.9
					08-17-70	39.0
					08-10-71	25.4
					11-02-71	49.7
					08-07-84	24.1
04175640	Iron Creek	River Raisin	Lat 42°06'04", long 84°05'06", in NW1/4 sec.28, T.04 S., R.03 E., Washtenaw County, at Sharon Hollow Rd., 4.0 miles southwest of Manchester, MI.	10.5	08-17-70	0.50
					08-10-71	1.28
					11-02-71	4.06
04175650	Iron Creek	River Raisin	Lat 42°05'37", long 83°59'17", in SW1/4 sec.29, T.04 S., R.04 E., Washtenaw County, at Bartlet Rd., 1.7 miles north of Clinton, MI.	28.8	02-10-70	12.0
					05-12-70	20.1
					06-23-70	12.0
					08-10-70	9.42
					08-17-70	3.17
					03-29-71	39.4
					06-10-71	9.05
					08-09-71	3.15
					11-01-71	7.38
					07-11-72	3.96
04175665	Evans Creek	River Raisin	Lat 42°01'23", long 84°02'42", in NE1/4 sec.22, T.05 S., R.03 E., Lenawee County, at Wisner Rd., 1.0 mile northeast of Tipton, MI.	15.0	05-12-70	2.71
					08-11-70	2.03
04175680	Evans Creek	River Raisin	Lat 42°00'32", long 83°56'40", in SW1/4 sec.27, T.05 S., R.04 E., Lenawee County, at Tecumseh-Clinton Highway, at Tecumseh, MI.	34.2	05-11-70	5.72
					08-10-70	4.50
04175685	River Raisin	Lake Erie	Lat 42°00'14", long 83°55'54", in SE1/4 NW1/4 sec.34, T.05 S., R.04 E., Lenawee County, at State Hwy. M-50, at Tecumseh, MI.	259	08-08-79	179
					09-11-79	58.0
04175700	River Raisin	Lake Erie	Lat 41°56'35", long 83°56'45", in NE1/4 sec.21, T.06 S., R.04 E., Lenawee County, at former gaging station at North Raisin Center Highway, 4.5 miles south of Tecumseh, MI.	267	07-26-83	118
					08-07-84	65.2
04175750	South Branch River Raisin	River Raisin	Lat 41°52'08", long 84°08'27", in NE1/4 sec.14, T.07 S., R.02 E., Lenawee County, at Sword Highway, 1.0 mile east of Cadmus, MI.	23.7	05-11-70	4.28
					08-10-70	3.45
04175800	Hazen Creek	South Branch River Raisin	Lat 41°52'23", long 84°08'04", in NW1/4 sec.13, T.07 S., R.02 E., Lenawee County, at Cadmus Rd., 1.2 miles east of Cadmus, MI.	24.9	05-11-70	6.29
					08-10-70	6.85

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04175830	Stony Creek	South Branch River Raisin	Lat 41°49'42", long 84°06'12", in NE1/4 sec.31, T.07 S., R.03 E., Lenawee County, at Livesay Rd., at Sand Creek, MI.	12.9	05-11-70 08-10-70	5.80 2.82
04175835	South Branch River Raisin	River Raisin	Lat 41°50'50", long 84°04'00", in NW1/4 sec.28, T.07 S., R.03 E., Lenawee County, at Lyons Highway, 1.0 mile northeast of Sand Creek, MI.	---	08-24-77	15.4
04175850	South Branch River Raisin	River Raisin	Lat 41°53'21", long 84°02'45", in NE1/4 sec.10, T.07 S., R.03 E., Lenawee County, at State Hwy. M-34, at Adrian, MI.	86.8	05-11-70 08-10-70 08-24-77	29.1 25.2 21.4
04175855	South Branch River Raisin	River Raisin	Lat 41°54'22", long 84°02'08", in SE1/4 sec.35, T.06 S., R.03 E., Lenawee County, 100 feet above railroad bridge, at Adrian, MI.	---	07-26-83	16.4
04175875	Wolf Creek	South Branch River Raisin	Lat 41°59'54", long 84°09'03", in NE1/4 sec.35, T.05 S., R.02 E., Lenawee County, at Gilbert Hwy., 2.0 miles east of Onsted, MI.	18.7	05-11-70 08-10-70	37.4 6.24
04175880	Wolf Creek	South Branch River Raisin	Lat 41°59'25", long 84°09'02", in SW1/4 SW1/4 sec.36, T.05 S., R.02 E., Lenawee County, at Gilbert Highway, 3.0 miles southeast of Onsted, MI.	18.1	05-15-74 09-27-74 11-16-78 04-12-79	79.3 1.64 2.31 36.2
04175900	Squaw Creek	Wolf Creek	Lat 41°59'13", long 84°09'42", in NW1/4 sec.02, T.06 S., R.02 E., Lenawee County, at Teachout Rd., 2.0 miles southwest of Onsted, MI.	11.0	05-11-70 08-11-70	3.38 1.60
04175920	Wolf Creek	South Branch River Raisin	Lat 41°55'46", long 84°07'38", in SW1/4 sec.19, T.06 S., R.03 E., Lenawee County, at Burton Rd., 3.3 miles southeast of Rome Center, MI.	41.4	05-11-70 08-11-70	17.7 9.61
04175940	Black Creek	River Raisin	Lat 41°55'40", long 84°07'21", in SW1/4 sec 19, T.06 S., R.03 E., Lenawee County, at Burton Rd., 3.5 miles southeast of Rome Center, MI.	16.7	05-11-70 08-11-70	3.93 2.98
04175950	Wolf Creek	South Branch River Raisin	Lat 41°55'02", long 84°03'53", in SW1/4 sec.27, T.06 E., R.03 E., Lenawee County, at Tipton Rd., 2.0 miles northwest of Adrian, MI.	69.7	08-17-55 07-11-63 10-17-63 05-11-70 08-11-70 08-24-77	12.1 2.10 3.94 24.8 18.6 9.60
04175955	Wolf Creek	South Branch River Raisin	Lat 41°54'37", long 84°02'10", in NW1/4 sec.35, T.06 S., R.03 E., Lenawee County, at water treatment plant, at Adrian, MI.	---	07-26-83	8.02
04175960	South Branch River Raisin	River Raisin	Lat 41°55'04", long 84°00'35", in SE1/4 sec.25, T.06 S., R.03 E., Lenawee County, at Howell Hwy., 2.0 miles northeast of Adrian, MI.	165	05-12-70 08-10-70 07-07-71 07-11-72 08-24-77	58.4 52.8 18.9 18.6 33.2
04175980	Beaver Creek	South Branch River Raisin	Lat 41°55'38", long 84°00'42", in SE1/4 sec.24, T.06 S., R.03 E., Lenawee County, at State Hwy. M-52, 2.5 miles northeast of Adrian, MI.	14.7	05-11-70 08-10-70 07-26-83	4.14 3.49 3.39
04175982	Beaver Creek	South Branch River Raisin	Lat 41°55'23", long 84°00'12", in SW1/4 sec.30, T.06 S., R.04 E., Lenawee County, 2.0 miles northeast of Adrian, MI.	---	08-25-48	2.17
04175985	South Branch River Raisin	River Raisin	Lat 41°55'23", long 84°00'03", in SW1/4 sec.30, T.06 S., R.04 E., Lenawee County, 2.0 miles northeast of Adrian, MI.	---	08-25-48	14.5

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04175990	Cook Drain	South Branch River Raisin	Lat 41°56'53", long 83°59'52", in NW1/4 sec.18, T.06 S., R.04 E., Lenawee County, 3.0 miles northeast of Adrian, MI.	19.0	08-05-52	1.14
					09-23-52	0.86
					10-22-52	0.93
					11-04-52	0.91
					12-09-52	1.12
					01-07-53	0.90
					02-16-53	0.93
					03-06-53	3.70
					04-08-53	1.33
					05-06-53	1.50
					06-16-53	0.63
					07-14-53	0.55
					08-11-53	0.31
					09-08-53	0.33
04176000	River Raisin	Lake Erie	Lat 41°54'15", long 83°58'50", in NW1/4 sec.05, T.07 S., R.04 E., Lenawee County, at former gaging station at Academy Rd., 1.7 miles east of Adrian, MI.	463	08-13-84	96.7
04176010	River Raisin	Lake Erie	Lat 41°49'39", long 83°55'33", in NE1/4 sec.34, T.07 S., R.04 E., Lenawee County, at Crockett Ave., 3.2 miles west of Blissfield, MI.	470	08-05-71	53.0
04176020	Bear Creek	Black Creek	Lat 41°47'53", long 84°10'38", in SE1/4 sec.04, T.08 S., R.02 E., Lenawee County, at Seneca Highway, 1.0 mile north of Seneca, MI.	17.1	05-11-70	6.66
					08-10-70	6.25
04176025	Black Creek	River Raisin	Lat 41°46'25", long 84°07'05", in SE1/4 SE1/4 sec.13, T.08 S., R.02 E., Lenawee County, at Terry Highway, 1.0 mile west of Weston, MI.	---	09-25-79	2.30
04176027	Black Creek	River Raisin	Lat 41°46'25", long 84°05'53", in SW1/4 SW1/4 sec.17, T.08 S., R.03 E., Lenawee County, at Sand Creek Highway, 0.2 mile north of Weston, MI.	---	09-25-79	1.90
04176035	Baker and May Drain	Black Creek	Lat 41°46'45", long 84°04'45", in NE1/4 NE1/4 sec.17, T.08 S., R.03 E., Lenawee County, at Lyons Highway, 1.2 miles northeast of Weston, MI.	---	09-25-79	0.60
04176040	Black Creek	River Raisin	Lat 41°47'11", long 84°02'25", in SW1/4 sec.11, T.08 S., R.03 E., Lenawee County, at State Hwy. M-52, 0.5 mile south of Jasper, MI.	42.4	07-11-63	1.30
					05-11-70	15.6
					08-10-70	11.3
					11-27-73	4.31
					03-18-74	60.4
					06-12-74	17.0
					07-16-74	4.56
					08-28-74	1.75
					09-24-74	1.75
					08-08-79	11.5
					09-25-79	2.80
					10-08-80	5.30
04176060	Nile Ditch	Black Creek	Lat 41°46'17", long 84°02'01", in SW1/4 sec.14, T.08 S., R.03 E., Lenawee County, at E. Weston Rd., near Jasper, MI.	23.8	05-11-70	3.00
					08-10-70	0.90
04176070	Black Creek	River Raisin	Lat 41°47'38", long 84°00'06", in SW1/4 NW1/4 sec.07, T.08 S., R.04 E., Lenawee County, at Treat Highway, 2.0 miles east of Jasper, MI.	---	07-27-73	6.90
04176080	Bear Creek	Black Creek	Lat 41°42'49", long 83°59'56", in NE1/4 sec.12, T.09 S., R.03 E., Lenawee County, at Treat Highway, 4.5 miles southwest of Ogden Center, MI.	22.3	05-11-70	4.20
					08-10-70	10.5
04176100	Bear Creek	Black Creek	Lat 41°46'18", long 83°57'50", in SE1/4 sec.17, T.08 S., R.04 E., Lenawee County, at Weston Rd., at Ogden Center, MI.	35.5	05-11-70	5.34
					08-10-70	1.77

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
R 04176103	Bear Creek	Black Creek	Lat 41°48'02", long 83°57'32", in NW1/4 sec.09, T.08 S., R.04 E., Lenawee County, at Victorville Rd., 5.0 miles southwest of Blissfield, MI.	---	07-11-63 10-17-63	0.00 0.00
04176110	Big Meadow Drain	Black Creek	Lat 41°49'32", long 83°56'27", in SW1/4 sec.34, T.07 S., R.04 E., Lenawee County, at East Gorman Rd., 2.2 miles east of Ogden Station, MI.	10.7	05-12-70 08-10-70	3.39 2.90
04176120	Black Creek	River Raisin	Lat 41°48'58", long 83°55'26", in NW1/4 sec.02, T.08 S., R.04 E., Lenawee County, at Crockett Highway, 3.0 miles east of Ogden Station, MI.	141	05-12-70 08-10-70	31.9 20.5
04176130	Hahn Drain	River Raisin	Lat 41°48'33", long 83°55'22", in SE1/4 sec.03, T.08 S., R.04 E., Lenawee County, at Crockett Highway, 3.0 miles east of Ogden Station, MI.	10.6	05-11-70 08-10-70	0.98 0.02
04176140	River Raisin	Lake Erie	Lat 41°50'03", long 83°52'00", in SE1/4 SE1/4 sec.30, T.07 S., R.05 E., Lenawee County, at U.S. Hwy. 223, at Blissfield, MI.	643	08-11-70 03-16-82 03-16-82 08-13-84	179 7160 6810 180
04176150	Riga Drain	River Raisin	Lat 41°50'56", long 83°49'46", in NE1/4 sec.28, T.07 S., R.05 E., Lenawee County, at Carroll Rd., 2.0 miles northeast of Blissfield, MI.	9.96	05-12-70 08-10-70	0.80 0.03
04176160	River Raisin	Lake Erie	Lat 41°53'18", long 83°46'41", in NE1/4 sec.12, T.07 S., R.05 E., Lenawee County, at bridge, at Deerfield, MI.	686	05-12-70 08-11-70	285 196
04176170	Swamp Raisin Creek	Little River Raisin	Lat 41°56'42", long 83°43'11", in SE1/4 sec.21, T.06 S., R.06 E., Monroe County, at Brewer Rd., 3.0 miles west of Dundee, MI.	31.6	05-11-70 08-10-70	3.47 0.74
04176180	Little River Raisin	River Raisin	Lat 41°56'43", long 83°40'58", in SW1/4 sec.22, T.06 S., R.06 E., Monroe County, at Davis Rd., 2.0 miles west of Dundee, MI.	41.9	08-11-70	1.22
04176200	River Raisin	Lake Erie	Lat 41°57'23", long 83°39'32", in SE1/4 sec.13, T.06 S., R.06 E., Monroe County, at State Hwy. M-50, at Dundee, MI.	761	05-11-70 08-11-70 08-07-84	316 210 217
04176220	Middle Branch Macon Creek	South Branch Macon Creek	Lat 42°01'11", long 83°49'51", in NE1/4 sec.28, T.05 S., R.05 E., Lenawee County, at Britton Highway, 2.3 miles north of Britton, MI.	19.8	05-11-70 08-10-70	2.94 1.11
04176230	Middle Branch Macon Creek	South Branch Macon Creek	Lat 41°58'51", long 83°41'16", in NW1/4 sec.11, T.06 S., R.06 E., Monroe County, at Wilcox Rd., 2.0 miles northwest of Dundee, MI.	43.8	05-11-70 08-10-70	4.54 1.29
04176240	South Branch Macon Creek	Macon Creek	Lat 41°57'42", long 83°49'48", in NW1/4 sec.15, T.06 S., R.05 E., Lenawee County, at Britton Highway, 1.7 miles south of Britton, MI.	10.5	05-11-70 08-10-70	1.94 1.11
04176260	South Branch Macon Creek	Macon Creek	Lat 41°58'38", long 83°41'16", in NW1/4 sec.11, T.06 S., R.06 E., Monroe County, at Wilcox Rd., 2.0 miles northwest of Dundee, MI.	45.5	05-11-70 08-10-70	4.95 2.43
04176295	North Branch Macon Creek	Macon Creek	Lat 42°04'58", long 83°46'46", in NE1/4 sec.01, T.05 S., R.05 E., Lenawee County, at Hack Rd., 2.6 miles southwest of York, MI.	8.33	01-14-70	0.49

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04176300	North Branch Macon Creek	Macon Creek	Lat 42°04'58", long 83°45'06", in NW1/4 sec.03, T.05 S., R.06 E., Monroe County, at Hack Rd., 1.7 miles southwest of Mooreville, MI.	14.5	02-10-70	1.56
					05-11-70	1.32
					06-23-70	2.14
					08-10-70	0.00
					08-17-70	0.05
					03-29-71	8.81
					05-10-71	0.88
					08-09-71	0.00
					11-01-71	0.09
					07-11-72	0.42
04176310	North Branch Macon Creek	Macon Creek	Lat 42°01'08", long 83°40'02", in NW1/4 sec.25, T.05 S., R.06 E., Monroe County, at Ostrander Rd., at Azalia, MI.	23.0	05-11-70	2.26
					08-10-70	0.29
04176320	North Branch Macon Creek	Macon Creek	Lat 41°59'50", long 83°39'46", in SE1/4 sec.36, T.05 S., R.06 E., Monroe County, at Day Rd., 2.0 miles north of Dundee, MI.	45.1	08-10-70	0.01
04176330	Macon Creek	River Raisin	Lat 41°58'46", long 83°37'40", in SE1/4 NW1/4 sec.08, T.06 S., R.07 E., Monroe County, at Stowell Rd., 2.2 miles northeast of Dundee, MI.	144	05-11-70	13.3
					08-11-70	3.22
					08-30-84	3.77
04176345	Saline River	River Raisin	Lat 42°07'34", long 83°54'56", in SE1/4 sec.14, T.04 S., R.04 E., Washtenaw County, at McCollum Rd., 2.7 miles east of Raisan Basin, MI.	11.4	08-18-70	0.89
					08-10-71	0.55
					11-02-71	0.46
04176349	Saline-Bridgewater Drain	Saline River	Lat 42°08'18", long 83°52'08", in NW1/4 sec.17, T.04 S., R.05 E., Washtenaw County, at Feldcamp Rd., 200 feet upstream of mouth, 0.5 mile north of Benton, MI.	---	05-05-81	3.52
					06-01-81	3.21
					07-09-81	1.84
					08-18-81	1.77
					09-15-81	5.33
					10-10-81	3.05
					11-20-81	20.3
					12-21-81	2.13
					01-05-82	16.5
					01-25-82	2.16
					02-10-82	1.94
					03-03-82	3.88
					03-29-82	14.4
					05-06-82	2.54
04176350	Saline River	River Raisin	Lat 42°08'19", long 83°52'07", in NW1/4 sec.17, T.04 S., R.05 E., Washtenaw County, at Feldcamp Rd., 0.7 mile northwest of Benton, MI.	28.8	02-10-70	6.21
					05-11-70	7.48
					06-23-70	5.74
					08-10-70	2.79
					08-18-70	3.32
					02-17-71	11.9
					03-29-71	20.5
					05-10-71	5.96
					08-10-71	1.39
					11-02-71	1.94
					07-11-72	4.21
04176355	Bauer Drain	Saline River	Lat 42°09'38", long 83°51'01", in NW1/4 sec.04, T.04 S., R.05 E., Washtenaw County, at Austin Rd., 3.5 miles west of Saline, MI.	7.30	08-17-70	0.59
					08-10-71	0.27
					11-02-71	0.47
					05-06-81	3.30
					06-01-81	3.81
					07-09-81	0.77
					08-18-81	0.65
					09-15-81	3.85
					10-01-81	83.8
					10-20-81	2.45
					11-20-81	26.7
					12-21-81	1.58
					01-05-82	18.6
					01-25-82	1.83
					02-10-82	1.49
					03-03-82	3.78
					03-29-82	18.6
					05-06-82	2.29

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04176365	Saline River	River Raisin	Lat 42°10'15", long 83°49'32", in SW1/4 sec.34, T.03 S., R.05 E., Washtenaw County, at Dell Rd., 2.0 miles west of Saline, MI.	44.3	11-05-64	1.81
					08-12-80	16.2
					10-08-80	10.5
					05-05-81	29.3
					06-01-81	32.4
					07-08-81	10.7
					08-18-81	10.7
					09-16-81	29.5
					10-01-81	469
					10-20-81	22.5
					11-20-81	127
					12-22-81	19.2
					01-05-82	80.5
					01-25-82	15.1
					02-10-82	13.2
					03-03-82	38.6
					03-29-82	88.4
					05-06-82	18.8
04176370	Unnamed tributary	Saline River	Lat 42°10'34", long 83°49'17", in SE1/4 sec.34, T.03 S., R.05 E., Washtenaw County, at Saline Waterworks Rd., 2.2 miles northwest of Saline, MI.	13.2	08-12-44	0.42
					09-09-44	0.58
					11-05-64	0.32
					01-14-70	1.40
					05-11-70	2.54
					06-23-70	1.83
					08-10-70	0.90
					08-18-70	0.76
					02-17-71	4.70
					03-29-71	10.2
					05-10-71	1.85
					08-10-71	0.17
					11-02-71	0.54
					07-11-72	0.56
					08-12-80	1.50
					08-30-84	0.00
04176375	Saline River	River Raisin	Lat 42°10'23", long 83°48'49", in SW1/4 sec.35, T.03 S., R.05 E., Washtenaw County, 1.5 miles west of Saline, MI.	---	08-12-44	1.66
					09-09-44	1.86
					09-09-60	4.87
04176380	Wood Outlet Drain	Saline River	Lat 42°10'37", long 83°47'17", in NW1/4 sec.36, T.03 S., R.05 E., Washtenaw County, at Saline Waterworks Rd., 0.8 mile north of Saline, MI.	13.7	08-12-44	1.72
					09-09-44	1.99
					11-05-64	0.68
					01-15-70	2.44
					05-11-70	4.59
					06-23-70	4.10
					08-10-70	2.68
					08-18-70	2.45
					02-17-71	4.21
					03-29-71	9.26
					05-10-71	3.16
					11-02-71	0.97
					07-11-72	1.76
					08-30-84	2.66
04176385	Saline River	River Raisin	Lat 42°09'32", long 83°47'16", in NE1/4 SW1/4 sec.01, T.04 S., R.05 E., Washtenaw County, 1500 feet below the Curtiss Park Dam, at Saline, MI.	---	10-08-80	15.9
04176390	Saline River	River Raisin	Lat 42°09'35", long 83°47'01", in SE1/4 sec.01, T.04 S., R.05 E., Washtenaw County, at Monroe St., at Saline, MI.	77.6	04-20-65	72.0
					10-15-65	6.15
					03-28-66	50.9
					05-26-66	24.6
					07-14-66	17.1
					11-23-66	6.62
					08-14-67	7.79
					10-20-67	18.8
					12-19-67	94.3
					03-21-68	101
					05-10-68	23.1
					09-04-68	17.6
					03-17-69	20.0
					07-18-69	81.6
					09-26-69	10.7
					01-29-70	36.7

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi²)	Measurements Date	 Discharge (ft³/s)
04176390	Saline River	River Raisan	Continued		05-11-70	20.2
					05-22-70	34.8
					06-23-70	19.6
					08-10-70	9.32
					08-17-70	9.33
					10-08-70	7.81
					05-26-71	14.2
					08-09-71	6.86
					11-01-71	6.71
					08-25-72	11.7
					06-13-73	30.2
					07-12-73	35.5
					09-20-73	10.9
					08-12-80	22.4
					08-30-84	9.55
04176395	Koch-Warner Drain	Saline River	Lat 42°09'29", long 83°45'22", in SW1/4 sec.05, T.04 S., R.06 E., Washtenaw County, at Willis Rd., 1.0 miles east of Saline, MI.	4.85	11-05-64	2.02
04176398	Pittsfield Drain	Koch-Warner Drain	Lat 42°09'33", long 83°45'30", in SE1/4 sec.06, T.04 S., R.06 E., Washtenaw County, at Willis Rd., 0.9 miles east of Saline, MI.	5.12	11-05-64	0.75
					08-12-80	0.30
					10-08-80	0.20
04176399	Koch-Warner Drain	Saline River	Lat 42°09'22", long 83°46'29", in SW1/4 sec.06, T.04 S., R.06 E., Washtenaw County, at Saline-Milan Rd., at Saline, MI.	12.1	08-17-70	2.51
					08-10-71	3.52
					11-02-71	2.41
					08-12-80	8.10
					10-08-80	5.50
04176400	Saline River	River Raisin	Lat 42°07'50", long 83°46'35", in SW1/4 sec.18, T.04 S., R.05 E., Washtenaw County, at former gaging station at Maple Rd., 2.8 miles south of Saline, MI.	94.6	08-12-80	35.8
					10-08-80	28.4
					05-07-81	26.4
					06-02-81	52.9
					07-08-81	25.0
					08-19-81	22.7
					09-16-81	55.5
					08-30-84	21.5
04176405	Unnamed tributary	Saline River	Lat 42°08'01", long 83°44'58", in SW1/4 sec.17, T.04 S., R.06 E., Washtenaw County, at Saline-Milan Rd., 3.0 miles southeast of Saline, MI.	5.44	11-05-64	0.80
					08-17-70	0.71
					08-10-71	0.38
					11-02-71	1.15
04176419	Saline River	River Raisin	Lat 42°04'50", long 83°40'47", in NE1/4 NE1/4 sec.02, T.05 S., R.06 E., Monroe County, at sewage treatment plant, below Norfolk and Western Railroad, at Milan, MI.	---	09-05-73	17.1
04176420	Saline River	River Raisin	Lat 42°04'38", long 83°40'37", in SW1/4 sec.01, T.05 S., R.06 E., Washtenaw County, at U.S. Hwy. 23, at southeast edge of Milan, MI.	113	10-15-65	12.4
					03-28-66	85.3
					05-26-66	39.3
					07-14-66	39.4
					11-23-66	14.1
					08-23-67	15.3
					10-20-67	3.34
					12-15-67	136
					03-21-68	139
					05-10-68	156
					09-04-68	33.2
					03-17-69	34.4
					07-18-69	94.6
					09-26-69	19.3
					01-29-70	26.0
					05-11-70	36.5
					05-22-70	52.0
					06-23-70	37.2
					08-10-70	16.7
					08-17-70	15.7
					10-09-70	16.6
					05-25-71	33.8
					08-10-71	9.12
					11-02-71	13.4
					08-25-72	27.0
					06-08-73	89.1
					07-12-73	61.8
					09-20-73	22.6

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04176424	Wanty Drain	Saline River	Lat 42°02'23", long 83°37'40", in NW1/4 sec.20, T.05 S., R.07 E., Monroe County, at Plank Rd., 2.4 miles northeast of Azalia, MI.	---	05-06-81	2.22
					06-02-81	0.95
					07-08-81	0.20
					08-19-81	0.13
					09-16-81	1.38
					10-01-81	34.1
					10-21-81	1.30
					11-23-81	4.46
					12-22-81	0.62
					01-06-82	7.97
					01-26-82	0.96
					02-12-82	1.27
					03-24-82	1.70
					03-30-82	5.64
					05-03-82	0.74
04176425	Saline River	River Raisin	Lat 42°01'51", long 83°37'16", in SE1/4 sec.20, T.05 S., R.07 E., Monroe County, at Snell Rd., 4.5 miles southeast of Milan, MI.	118	11-04-64	10.6
					04-20-65	142
04176427	Bear Creek	Saline River	Lat 42°01'37", long 83°38'08", in SW1/4 sec.20, T.05 S., R.07 E., Monroe County, at Bunce Rd., 1.1 miles west of London, MI.	---	05-06-81	1.19
					06-02-81	0.87
					07-08-81	0.13
					08-07-81	0.07
					09-16-81	2.04
					10-01-81	33.8
					10-21-81	1.33
					11-23-81	3.53
					12-22-81	0.64
					01-06-82	7.73
					01-26-82	0.51
					02-12-82	0.59
					03-30-82	6.31
					05-03-82	0.60
04176430	Saline River	River Raisin	Lat 41°59'53", long 83°37'28", in NE1/4 sec.05, T.06 S., R.07 E., Monroe County, at Day Rd., 3.3 miles northeast of Dundee, MI.	127	07-12-63	10.1
					05-11-70	37.5
					08-11-70	18.9
					08-30-84	19.8
04176439	Saline River	River Raisin	Lat 41°58'59", long 83°36'59", in NE1/4 sec.08, T.06 S., R.07 E., Monroe County, at Bigelow Rd., 0.6 mile upstream of mouth, 3.0 miles east of Dundee, MI.	---	05-07-81	79.4
					06-02-81	74.0
					07-08-81	34.2
					08-19-81	29.2
					09-16-81	101
					10-01-81	494
					10-21-81	69.5
					11-23-81	194
					01-26-82	44.2
					02-11-82	44.6
					03-04-82	72.3
					03-30-82	241
					05-03-82	66.8
04176515	Willow Run	River Raisin	Lat 41°56'08", long 83°27'39", in NW1/4 sec.27, T.06 S., R.08 E., Monroe County, at N. Custer Rd., 3.5 miles west of Monroe, MI.	10.1	05-12-70	1.27
					08-10-70	0.01
04176553	Plum Creek	Lake Erie	Lat 41°56'07", long 83°32'23", in SE1/4 NE1/4 sec.25, T.06 S., R.07 E., Monroe County, at Geiger Rd., 2.3 miles northeast of Ida, MI.	10.9	09-01-71	0.00
					05-24-72	0.95
04176555	Plum Creek	Lake Erie	Lat 41°54'55", long 83°28'23", in SW1/4 sec.34, T.06 S., R.08 E., Monroe County, at Raisanville Rd., 3.0 miles west of Monroe, MI.	---	08-05-71	0.00
04176560	Pitts Creek	Plum Creek	Lat 41°54'39", long 83°28'31", in NE1/4 NE1/4 sec.03, T.07 S., R.08 E., Monroe County, at Raisanville Rd., 1.5 miles east of Strasburg, MI.	---	08-05-71	0.00
					09-01-71	0.00
					05-24-72	2.23
04176565	Plum Creek	Lake Erie	Lat 41°54'13", long 83°23'53", in SW1/4 sec.05, T.07 S., R.09 E., Monroe County, at La Plaisance Rd., at Monroe, MI.	---	02-19-76	149

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04176566	Plum Creek	Lake Erie	Lat 41°54'08", long 83°23'35", in SW1/4 sec.05, T.07 S., R.09 E., Monroe County, at Kentucky Ave., at Monroe, MI.	32.1	09-01-71 05-04-72 07-16-73	1.20 5.54 4.39
04176580	North Branch Otter Creek	Otter Creek	Lat 41°53'39", long 83°33'13", in NE1/4 NE1/4 sec.11, T.07 S., R.07 E., Monroe County, at Geiger Rd., 1.5 miles southeast of Ida, MI.	8.83	09-01-71 05-04-72 07-16-73	0.00 1.16 0.36
04176585	Summerfield and Ida Drain	Otter Creek	Lat 41°52'59", long 83°32'02", in SE1/4 sec.12, T.07 S., R.07 E., Monroe County, at Minx Rd., 2.7 miles southwest of Strasburg, MI.	---	09-01-71 05-24-72	0.00 1.82
04176590	Otter Creek	Lake Erie	Lat 41°52'26", long 83°29'23", in SW1/4 sec.16, T.07 S., R.08 E., Monroe County, at Goutz Rd., 5.3 miles southwest of Monroe, MI.	---	08-05-71	0.00
04176598	South Branch Otter Creek	Otter Creek	Lat 41°51'41", long 83°30'46", in SE1/4 NE1/4 sec.19, T.07 S., R.08 E., Monroe County, at Strasburg Rd., 3.2 miles west of LaSalle, MI.	8.80	09-01-71 05-04-72 07-16-73	0.00 1.94 0.37
04176600	South Branch Otter Creek	Otter Creek	Lat 41°52'11", long 83°29'32", in SE1/4 sec.17, T.07 S., R.08 E., Monroe County, at Suder Rd., 5.5 miles southwest of Monroe, MI.	---	08-05-71	0.00
04176605	Otter Creek	Lake Erie	Lat 41°52'01", long 83°27'13", in NW1/4 NW1/4 sec.23, T.07 S., R.08 E., Monroe County, at State Hwy. M-125, at LaSalle, MI.	51.0	09-01-71 05-04-72 07-16-73 02-19-76	0.00 17.1 5.36 463
04176610	Otter Creek	Lake Erie	Lat 41°51'02", long 83°25'47", in NW1/4 sec.25, T.07 S., R.08 E., Monroe County, at LaPlaiance Rd., 4.5 miles south of Monroe, MI.	---	08-05-71	0.00
04176617	Muddy Creek	Lake Erie	Lat 41°49'31", long 83°27'57", in SE1/4 SW1/4 sec.34, T.07 S., R.08 E., Monroe County, at Belleterre Rd., 2.1 miles west of Colombus Grove, MI.	---	09-01-71 05-24-72	0.00 1.59
04176630	Bay Creek	Lake Erie	Lat 41°47'26", long 83°28'32", in NE1/4 sec.16, T.08 S., R.08 E., Monroe County, at Detroit-Toledo R.R., 1.2 miles east of Erie, MI.	---	09-01-71 05-24-72	0.00 2.36
04176640	Little Lake Creek	Lake Erie	Lat 41°46'23", long 83°29'28", in SE1/4 NE1/4 sec.20, T.08 S., R.08 E., Monroe County, at Suder Rd., 1.4 miles south of Erie, MI.	11.5	09-01-71 05-04-72 07-16-73	0.00 2.51 1.55
04176645	Flat Creek	Lake Erie	Lat 41°45'23", long 83°30'17", in SW1/4 sec.20, T.08 S., R.08 E., Monroe County, at Dean Rd., 2.0 miles south of Erie, MI.	---	09-01-71 05-24-72	0.00 1.35
04176655	Hoegle Drain	Halfway Creek	Lat 41°48'47", long 83°40'14", in NE1/4 sec.02, T.08 S., R.06 E., Monroe County, at School Rd., 4.1 miles west of Samaria, MI.	14.1	09-01-71 05-24-72	0.00 0.02
04176657	Halfway Creek	Lake Erie	Lat 41°48'28", long 83°40'06", in SW1/4 sec.01, T.08 S., R.06 E., Monroe County, at Cummins Rd., 4.0 miles west of Samaria, MI.	---	09-01-71 05-24-72	0.00 0.00
04176662	Halfway Creek	Lake Erie	Lat 41°47'05", long 83°39'30", in SE1/4 NW1/4 sec.13, T.08 S., R.06 E., Monroe County, at Piehl Rd., 2.0 miles northwest of Lambertville, MI.	23.0	05-24-72	0.23

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements Date	Measurements Discharge (ft^3/s)
04176680	Halfway Creek	Lake Erie	Lat 41°44'07", long 83°36'18", in SW1/4 SW1/4 sec.33, T.08 S., R.07 E., Monroe County, at Smith Rd., 2.3 miles southeast of Lambertville, MI.	34.2	09-01-71 05-24-72 07-16-73	1.28 4.55 3.23
04176695	Indian Creek	Halfway Creek	Lat 41°44'10", long 83°32'46", in SW1/4 sec.36, T.08 S., R.07 E., Monroe County, at LaVoy Rd., 3.2 miles southeast of Temperance, MI.	---	09-01-71 05-24-72	0.08 1.61
04176715	Big Ravine Drain	North Branch Tenmile Creek	Lat 41°45'46", long 83°44'50", in SE1/4 sec.19, T.08 S., R.06 E., Monroe County, at Lansing Rd., at Ottawa Lake, MI.	17.0	08-31-71 05-24-72	0.00 1.78
04176725	Ottawa Lake Outlet	Tenmile Creek	Lat 41°34'40", long 83°43'00", in SE1/4 sec.27, T.08 S., R.06 E., Monroe County, at Sterns Rd., 3.1 miles southwest of Lambertville, MI.	---	09-01-71 05-24-72	0.00 2.52
04176730	North Branch Tenmile Creek	Tenmile Creek	Lat 41°44'02", long 83°41'20", in SE1/4 SE1/4 sec.34, T.08 S., R.06 E., Monroe County, at Hicker Rd., 3.6 miles southwest of Lambertville, MI.	33.5	09-01-71 05-24-72 07-16-73	0.00 2.70 0.90
04177060	East Branch St. Joseph River	St. Joseph River	Lat 41°52'37", long 84°32'23", in NE1/4 sec.09, T.07 S., R.02 W., Hillsdale County, at Bird Lake Rd., at Osseo, MI.	4.60	10-08-62	1.73
04177065	East Branch St. Joseph River	St. Joseph River	Lat 41°50'56", long 84°29'48", in NE1/4 sec.23, T.07 S., R.02 W., Hillsdale County, at Reading Rd., 1.5 miles southwest of Pittsford, MI.	19.4	10-08-62	5.35
04177070	Unnamed tributary	East Branch St. Joseph River	Lat 41°51'17", long 84°28'15", in SW1/4 sec.18, T.07 S., R.01 W., Hillsdale County, at Miner Rd., at Pittsford, MI.	---	07-10-67	0.18
04177075	East Branch St. Joseph River	St. Joseph River	Lat 41°46'55", long 84°25'36", in SE1/4 sec.09, T.08 S., R.01 W., Hillsdale County, at Prattville Rd., 1.5 miles west of Prattville, MI.	36.0	10-02-62 10-08-62 07-11-63	7.24 7.99 4.24
04177080	East Branch St. Joseph River	St. Joseph River	Lat 41°42'34", long 84°29'26", in SW1/4 sec.01, T.09 S., R.02 W., Hillsdale County, at Territorial Rd., 3.8 miles west of Waldron, MI.	70.8	10-02-62 07-25-73 11-27-73 03-18-74 06-12-74 08-28-74 09-24-74 11-01-74 12-20-74 05-01-75 07-11-75 09-16-75	7.31 21.9 22.4 126 48.2 10.5 10.5 15.1 38.6 196 16.3 18.4
04177085	Laird Creek	East Branch St. Joseph River	Lat 41°42'34", long 84°29'49", in NW1/4 sec.11, T.09 S., R.02 W., Hillsdale County, at Territorial Rd., 3.6 miles northeast of Pioneer, Ohio	16.3	10-02-62	0.06
04177088	Silver Creek	East Branch St. Joseph River	Lat 41°48'39", long 84°37'02", in SE1/4 sec.35, T.07 S., R.03 W., Hillsdale County, at Squawfield Rd., 2.2 miles northwest of Frontier, MI.	9.70	10-02-62	0.13
04177092	Silver Creek	East Branch St. Joseph River	Lat 41°42'33", long 84°34'10", in SW1/4 sec.05, T.09 S., R.02 W., Hillsdale County, at Territorial Rd., 7.8 miles southwest of Waldron, MI.	---	07-10-67	0.12

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04177094	Clear Fork	East Branch St. Joseph River	Lat 41°42'35", long 84°37'52", in SW1/4 sec.02, T.09 S., R.03 W., Hillsdale County, at Hillsdale Rd., 7.0 miles southeast of Camden, MI.	---	07-10-67	0.69
04177096	Clear Fork	East Branch St. Joseph River	Lat 41°40'40", long 84°33'00", in NW1/4 sec.21, T.09 S., R.02 W., Hillsdale County, at Lynn St., at Pioneer, OH.	24.1	10-02-62	1.04
04177220	Clear Lake Outlet	W Fork W Branch St. Joseph R.	Lat 41°47'05", long 84°47'43", in SE1/4 sec.08, T.08 S., R.04 W., Hillsdale County, at Long Lake Rd., at Montgomery, MI.	15.1	10-02-62	0.60
04177221	Prouty Drain	W Fork W Branch St. Joseph R.	Lat 41°48'10", long 84°44'52", in NE1/4 SE1/4 sec.03, T.08 S., R.04 W., Hillsdale County, at State Hwy. M-49, 2.5 miles south of Reading, MI.	---	11-17-81 10-12-83 05-08-84	3.45 2.28 4.26
04177222	Prouty Drain	W Fork W Branch St. Joseph R.	Lat 41°47'42", long 84°46'02", in NE1/4 NE1/4 sec.09, T.08 S., R.04 W., Hillsdale County, at Abbott Rd., 3.0 miles southwest of Reading, MI.	---	11-17-81 10-12-83 05-08-84	3.66 1.63 6.08
04177223	Prouty Drain	W Fork W Branch St. Joseph R.	Lat 41°47'52", long 84°46'56", in SW1/4 sec.04, T.08 S., R.04 W., Hillsdale County, at Brott Rd., 3.5 miles southwest of Reading, MI.	---	11-17-81 10-12-83 05-08-84	4.14 1.85 7.36
04177225	West Fork West Branch St. Joseph River	West Branch St. Joseph River	Lat 41°46'50", long 84°46'21", in NE1/4 sec.16, T.08 S., R.04 W., Hillsdale County, at Montgomery Rd., 1.7 miles east of Montgomery, MI.	32.2	10-02-62 07-11-63	2.85 1.92
04177240	West Fork West Branch St. Joseph River	West Branch St. Joseph River	Lat 41°42'30", long 84°41'22", in SE1/4 sec.06, T.09 S., R.03 W., Hillsdale County, at Territorial Rd., 2.0 miles south of Austin, MI.	47.0	10-02-62 07-10-67 04-14-77	4.20 6.68 53.0
04177250	East Fork West Branch St. Joseph River	West Branch St. Joseph River	Lat 41°47'46", long 84°38'16", in NE1/4 sec.10, T.08 S., R.03 W., Hillsdale County, at Dimmers Rd., 1.2 miles northeast of Woodbridge, MI.	30.4	10-02-62 07-11-63	3.59 2.98
04177260	East Fork West Branch St. Joseph River	West Branch St. Joseph River	Lat 41°42'30", long 84°41'22", in NW1/4 sec.08, T.09 S., R.03 W., Hillsdale County, at Territorial Rd., 2.0 miles south of Austin, MI.	50.2	10-02-62 07-10-67	4.39 10.5
04177310	Mill Stream Drain	St. Joseph River	Lat 41°42'28", long 84°44'52", in NE1/4 sec.10, T.09 S., R.04 W., Hillsdale County, at Territorial Rd., 3.1 miles south of Camden, MI.	11.2	10-02-62 07-10-67	0.15 0.76
04184290	Devils Lake Outlet	Bean Creek	Lat 41°58'51", long 84°18'38", in NE1/4 sec.04, T.06 S., R.01 E., Lenawee County, at Devils Lake Rd., near Manitou Beach, MI.	---	11-17-47 01-20-48 05-20-48 09-16-48 12-14-48 03-16-49 06-21-49 09-16-49 01-25-50 04-19-50 08-21-50	1.87 5.19 21.1 0.00 0.00 9.69 6.92 0.00 18.7 45.4 0.00
04184300	Bean Creek	Tiffin River	Lat 41°58'40", long 84°21'18", in NE1/4 SW1/4 sec.06, T.06 S., R.01 E., Lenawee County, at U.S. Highway 127, at Addison, MI.	44.9	10-02-62 07-10-67 06-06-78	0.83 2.05 11.3
04184301	Bean Creek	Tiffin River	Lat 41°57'51", long 84°20'47", in SE1/4 NE1/4 sec.07, T.06 S., R.01 E., Lenawee County, at Manitou Rd., 1.5 miles south of Addison, MI.	---	08-25-77 04-12-79 06-28-79	1.15 129 2.80

Table 10.--Discharge measurements of Lower Peninsula streams tributary to Lake Erie--Continued

Station number	Stream	Tributary to	Location	Drainage area (mi^2)	Measurements	
					Date	Discharge (ft^3/s)
04184307	Horseshoe Lake Outlet	Bean Creek	Lat 41°54'22", long 84°21'25", in SE1/4 NW1/4 sec.31, T.06 S., R.01 E., Lenawee County, at Hillside Rd., 1.5 miles west of Rollin, MI.	---	09-14-82	0.00
04184310	Posey Lake Outlet	Bean Creek	Lat 41°53'45", long 84°18'33", in NW1/4 sec.04, T.07 S., R.01 E., Lenawee County, 3.0 miles northeast of Hudson, MI.	---	03-01-55	10.7
04184315	Bean Creek	Tiffin River	Lat 41°53'01", long 84°21'04", in SW1/4 sec.06, T.07 S., R.01 E., Lenawee County, at Beecher Rd., 2.0 miles north of Hudson, MI.	---	07-23-63	1.90
					08-25-77	1.91
04184318	St. Joseph Creek	Bean Creek	Lat 41°53'01", long 84°21'36", in NW1/4 NW1/4 sec.07, T.07 S., R.01 E., Lenawee County, at Beecher Rd., 2.0 miles north of Hudson, MI.	---	06-06-78	5.12
04184319	Bean Creek	Tiffin River	Lat 41°51'17", long 84°21'05", in NE1/4 NW1/4 sec.19, T.07 S., R.01 E., Lenawee County, at Jackson St., at Hudson, MI.	---	07-25-79	14.4
					10-02-79	7.90
04184320	Bean Creek	Tiffin River	Lat 41°51'18", long 84°21'05", in SW1/4 sec.18, T.07 S., R.01 E., Lenawee County, at State Hwy. M-34, at Hudson, MI.	96.2	07-24-51	590
					10-02-62	2.51
04184325	Bean Creek	Tiffin River	Lat 41°51'02", long 84°21'03", in SE1/4 SW1/4 sec.19, T.07 S., R.01 E., Lenawee County, 150 feet upstream of the waste water treatment plant, at Hudson, MI.	---	05-18-72	102
04184330	Garrison Drain	Bean Creek	Lat 41°51'11", long 84°20'33", in NE1/4 sec.19, T.07 S., R.01 E., Lenawee County, at State St., at Hudson, MI.	---	07-10-67	0.16
04184340	Bean Creek	Tiffin River	Lat 41°50'27", long 84°20'55", in SW1/4 sec.19, T.07 S., R.01 E., Lenawee County, at Nelson Rd., 1.0 mile south of Hudson, MI.	---	07-10-67	5.72
					07-25-79	17.9
					10-02-79	10.0
04184350	Bean Creek	Tiffin River	Lat 41°49'32", long 84°21'42", in NW1/4 NW1/4 sec.31, T.07 S., R.01 E., Lenawee County, near Hudson, MI.	---	07-24-51	4800
04184360	Bean Creek	Tiffin River	Lat 41°44'20", long 84°13'46", in NW1/4 sec.31, T.08 S., R.02 E., Lenawee County, at Morenci Rd., 1.0 mile north of Morenci, MI.	143	10-03-62	11.1
04184370	Lime Creek	Bean Creek	Lat 41°44'20", long 84°14'00", in SE1/4 sec.25, T.08 S., R.01 E., Lenawee County, at Morenci Rd., 1.0 mile north of Morenci, MI.	41.7	10-08-62	1.75
04184380	Silver Creek	Bean Creek	Lat 41°42'44", long 84°12'42", in SW1/4 sec.05, T.09 S., R.02 E., Lenawee County, at State Hwy. M-156, at Morenci, MI.	13.7	10-03-62	2.03
					07-10-67	3.80
04184390	Mill Creek	Tiffin River	Lat 41°42'25", long 84°23'37", in NW1/4 sec.11, T.09 S., R.01 W., Hillsdale County, at Territorial Rd., 2.0 miles southeast of Waldron, MI.	---	07-10-67	0.08

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STATION NAME	TRIBUTARY TO	STATION NUMBER
ALCONA COUNTY		
Lower South Branch Thunder Bay River	Thunder Bay River	04134500
Pine River	Au Sable River	04137680
ALGER COUNTY		
Anna River	Lake Superior	04044732 04044733 04044735 04044736 04044740 04044742
Au Train River	Au Train Bay	04044730
Beaver Creek	Lake Superior	04044770
Blue Lake Outlet	Skeels Lake	04056700
Chapel Creek	Lake Superior	04044765
Deer Lake Outlet	Lake Superior	04044624
Dexter Creek	East Branch Whitefish River	04057524
East Branch Whitefish River	Whitefish River	04057522 04057525
Hurricane River	Lake Superior	04044785
Indian River	Manistique River	04056650 04056670 04056690
Joes Creek	Anna River	04044741
Laughing Whitefish River	Lake Superior	04044620
Little Indian River	Indian River	04056716 04056717
Miners River	Lake Superior	04044750 04044755
Mosquito River	Lake Superior	04044759 04044762
Munising Falls Creek	Lake Superior	04044744
Rock River	Shelter Bay	04044630
Round Lake Outlet	West Branch Lake	04057400
Sable Creek	Lake Superior	04044786
Sevenmile Creek	Lake Superior	04044775
Slapneck Creek	Au Train River	04044715
Spray Creek	Lake Superior	04044766
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Sucker River	East Bay	04044789
Sullivan Creek	Lake Superior	04044782
Tannery Creek	Lake Superior	04044743
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Middle Branch Black River	Black River	04102780
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Rabbit River	Kalamazoo River	04108595 04108650
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Wolf Creek	Lower S. Branch Thunder Bay R.	04134700
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Clam River	Torch Lake	04127568
Elk River	Lake Michigan	04127700
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Grass Creek	Lake Bellaire	04127553
Guyer Creek	Lake Michigan	04127710
Intermediate River	Lake Bellaire	04127565 04127566
Jordan River	Lake Charlevoix	04127735 04127740 04127745 04127770 04127780 04127790 04127800
Six Tile Creek	Jordan River	04127755
Two Tile Creek	Jordan River	04127760
ARENAC COUNTY		
East Branch Au Gres River	Lake Huron	04138020 04138025
North Branch Pine River	Pine River	04143100 04143160
Pine River	Lake Huron	04143150 04143200
South Branch Pine River	Pine River	04143170
BARAGA COUNTY		
Clear Creek	Sturgeon River	04041600 04041650
Falls River	Keweenaw Bay	04043100
Hazel Creek	Keweenaw Bay	04043070
Huron River	Lake Superior	04043200
Kelsey Creek	Keweenaw Bay	04043060
Lateral Creek	Sturgeon River	04040420
Linden Creek	Keweenaw Bay	04043105
Mustard Creek	Clear Creek	04041610
Pelkie Creek	Sturgeon River	04040455
Perch River	Sturgeon River	04041000
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STATION NAME	TRIBUTARY TO	STATION NUMBER
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Spurr River	Lake Michigamme	04062210 04062220
Sturgeon River	Portage Lake	04040460 04041520 04042350
Tioga River	Sturgeon River	04040450
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Bassett Creek	Thornapple River	04117750
Cedar Creek	Thornapple River	04117400 04117450
Coldwater River	Thornapple River	04117820 04117900
Duncan Creek	Thornapple River	04117780
Duncan Lake Outlet	Thornapple River	04117765
Fall Creek	Thornapple River	04117550 04117570
Glass Creek	Thornapple River	04117700
Gun River	Kalamazoo River	04107200
High Bank Creek	Thornapple River	04117300
Little Thornapple River	Coldwater River	04117810
Mud Creek	Thornapple River	04117100 04117200
Quaker Brook	Thornapple River	04117000
Thornapple River	Grand River	04117020 04117500 04117600
Turner Creek	Bassett Lake	04117720
Unnamed tributary	Thornapple River	04117575 04117576
Wall Lake Outlet	Thornapple River	04117350
BAY COUNTY		
Durussell Drain	Quanicassee River	04157083 04157085 04157090
Pinconning River	Lake Huron	04143300
Saginaw River	Lake Huron	04157059
BENZIE COUNTY		
Bell Lake Outlet	Platte River	04126659
Betsie River	Lake Michigan	04126560 04126562 04126563 04126564 04126565 04126575 04126577 04126588 04126596 04126600
Brundage Creek	Platte River	04126690
Carter Creek	Platte River	04126710 04126715 04126720
Collison Creek	Platte River	04126730
Crystal Lake Outlet	Betsie River	04126640
Deer Creek	Betsie River	04126590 04126591 04126594
Kinny Creek	Brundage Creek	04126670
Little Betsie River	Betsie River	04126570 04126572 04126573
Lower Woodcock Lake Outlet	Platte River	04126658
North Branch Platte River	Platte River	04126750 04126751
Otter Creek	Lake Michigan	04126765 04126767
Platte River	Lake Michigan	04126758 04126760
Platte River	Loon Lake	04126755
Platte River	Platte Lake	04126655 04126656 04126660 04126662 04126663 04126664 04126700 04126705 04126725 04126735 04126742 04126745
Stanley Creek	Brundage Creek	04126680
Unnamed Tributary	Betsie River	04126579
Unnamed tributary	Deer Creek	04126592
Unnamed tributary	Lake Ann	04126650
Unnamed tributary	Platte Lake	04126752 04126753 04126754
Upper Woodcock Lake Outlet	Platte River	04126657
BERRIEN COUNTY		
Farmers Creek	St. Joseph River	04102020 04102025
Galien River	Lake Michigan	04095500 04096010 04096015
Hickory Creek	St. Joseph River	04102070
Kirktown Creek	Galien River	04096013
Love Creek	St. Joseph River	04102010 04102014 04102016
Mill Creek	Paw Paw River	04102450 04102460
Ox Creek	Paw Paw River	04102530
Painterville Drain	Lake Michigan	04096160 04096170 04096180
Paw Paw River	St. Joseph River	04102470 04102480 04102520
Pipestone Creek	St. Joseph River	04102040 04102060
Ryno Drain	Paw Paw River	04102475
Spring Valley Drain	St. Joseph River	04101900 04101905
St. Joseph River	Lake Michigan	04102000
Sucker Creek	Pipestone Creek	04102061 04102062
Unnamed tributary	Lake Michigan	04096135 04096150 04096190
Unnamed tributary	Love Creek	04102012
BRANCH COUNTY		
Bagley Drain	Hog Creek	04096528
Burnett Creek	St. Joseph River	04096410
Byers Lake Outlet	Coldwater River	04096455
Cold Creek	Coldwater River	04096510
Coldwater River	St. Joseph River	04096440 04096450 04096456 04096460 04096630
Drain No. 30	Swan Creek	04096755
Fisher Creek	Coldwater River	04096415 04096420
Hog Creek	Coldwater River	04096515 04096516 04096520 04096525 04096530 04096540 04096570 04096580 04096585 04096590
Lake Pleasant Outlet	Prairie River	04097522
Lake of the Woods Outlet	Coldwater River	04096452
Little Swan Creek	Swan Creek	04096770 04096780 04096790
North Branch Hog Creek	Hog Creek	04096575
Prairie River	St. Joseph River	04097510 04097525 04097526 04097528 04097529 04097530
Riley Creek	St. Joseph River	04096640

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STATION NAME	TRIBUTARY TO	STATION NUMBER
BRANCH COUNTY--CONTINUED		
Sauk River	Coldwater River	04096480 04096485 04096494 04096495 04096497 04096500
Soap Creek	St. Joseph River	04096325 04096326
Spencer Creek	St. Joseph River	04096660 04096680 04096700
St. Joseph River	Lake Michigan	04096635
Swan Creek	St. Joseph River	04096720 04096745 04096750 04096757 04096760 04096763
Talahassee Drain	Coldwater River	04095424 04096427 04096430
Unnamed tributary	Coldwater River	04096620
Unnamed tributary	Hog Creek	04096519
Unnamed tributary	Prairie River	04097527
Unnamed tributary	St. Joseph River	04096710
Unnamed tributary	Swan Creek	04096740 04096756
CALHOUN COUNTY		
Battle Creek	Kalamazoo River	04104960
Dickinson Creek	Kalamazoo River	04103525 04103528
Kalamazoo River	Lake Michigan	04103536 04105510 04105600
Minges Brook	Kalamazoo River	04103550
North Branch Rice Creek	Rice Creek	04103050
Nottawa Creek	St. Joseph River	04096830 04096860 04096875
Rice Creek	Kalamazoo River	04103460 04103470 04103480 04103490
Seven Mile Creek	Kalamazoo River	04105650
South Branch Kalamazoo River	Kalamazoo River	04102796 04102800 04102810 04102900
South Branch Rice Creek	Rice Creek	04103100 04103120
St. Joseph River	Lake Michigan	04096317 04096332 04096340
Talmadge Creek	Kalamazoo River	04103510
Unnamed tributary	Battle Creek	04104650
Unnamed tributary	Kalamazoo River	04103530 04103533 04105515 04105560 04105570
Wanadoga Creek	Battle Creek	04104945 04104950
Wilders Lake Outlet	St. Joseph River	04096398
CASS COUNTY		
Christiana Creek	St. Joseph River	04099600 04099610
Dowagiac Creek	Dowagiac River	04101590 04101600 04101610
Dowagiac River	St. Joseph River	04101535 04101552 04101615 04101700
Fish Lake Chain Outlet	Dowagiac Creek	04101580
Garver Lake Inlet	St. Joseph River	04099630
Garver Lake Outlet	St. Joseph River	04099640
Indian Lake Outlet	Dowagiac River	04101548 04101549
Pleasant Lake Outlet	St. Joseph River	04099620 04099625
Pokagon Creek	Dowagiac River	04101790
Shavehead Lake Outlet	Mud Creek	04099400
Silver Creek	Dowagiac River	04101542
CHARLEVOIX COUNTY		
Boyne River	Lake Charlevoix	04127850 04127853
Brown Creek	Jordan River	04127835
Deer Creek	Jordan River	04127820 04127830
Horton Creek	Lake Charlevoix	04127859
Jordon River	Lake Charlevoix	04127805
Loeb Creek	Lake Charlevoix	04127862
Monroe Creek	Lake Charlevoix	04127838 04127840 04127842
Porter Creek	Lake Charlevoix	04127856
Strover Creek	Lake Charlevoix	04127865
CHEBOYGAN COUNTY		
Black River	Black Lake	04130210 04130220 04130450
Cornwall Creek	Pigeon River	04129030
Little Black River	Lake Huron	04127957
Little Pigeon River	Pigeon River	04129435
Marl Creek	West Branch Sturgeon River	04127993
Mill Creek	Lake Huron	04127955
Pigeon River	Mullett Lake	04129025 04129045 04129450 04129510
Sturgeon River	Burt Lake	04127986 04127987 04127988 04127990 04127998 04128002 04128005 04128010 04128020
West Branch Sturgeon River	Sturgeon River	04127991 04127992 04127994 04127995 04127996
CHIPPEWA COUNTY		
Betsy River	Whitefish Bay	04044820 04044823 04044825
Caribou Creek	Lake Huron	04127900
Carp River	St. Martin Bay	04127930
Charlotte River	St. Marys River	04127886
East Branch Waiska River	Waiska River	04045559
Little Munuscong Lake	Munuscong Lake	04127889
Munuscong River	Munuscong Lake	04127894 04127897 04127898
North Branch Pine River	Pine River	04127910
Pendills Creek	Whitefish Bay	04045520
Pine River	St. Martin Bay	04127918
Trout Brook	Biscuit Creek	04127905
Waiska River	Waiska Bay	04045570
West Branch Waiska River	Waiska River	04045528 04045538

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Station Name	Tributary to	Station number
Clare County		
Bailey Creek	South Branch Tobacco River	04152225
Beaver Creek	North Branch Tobacco River	04152320 04152325
Clear Creek	Middle Branch Tobacco River	04152262
Elm Creek	South Branch Tobacco River	04152090 04152095
Five Lakes Creek	South Branch Tobacco River	04152175
Jose Creek	North Branch Tobacco River	04152298 04152300
Little Tobacco Drain	South Branch Tobacco River	04152185
Loon Lake Creek	Newton Creek	04152115
McCuran Creek	Sanford Creek	04152193
Middle Branch Tobacco River	Tobacco River	04152250 04152255 04152258 04152265 04152275 04152280
Mostellar Creek	Jose Creek	04152305 04152315
Muskegon River	Muskegon Lake	04121350
Newton Creek	South Branch Tobacco River	04152125 04152130 04152145 04152150 04152155
North Branch Tobacco River	Tobacco River	04152330 04152332 04152337 04152340 04152345 04152350 04152353
Overton Creek	South Branch Tobacco River	04152105
Runyon Creek	Newton Creek	04152135 04152140
Sanford Creek	South Branch Tobacco River	04152197 04152200
South Branch Tobacco River	Tobacco River	04152100 04152110 04152170 04152180 04152181 04152182 04152190 04152205 04152215 04152220
South Branch Town Line Creek	Town Line Creek	04121150
Spike Horn Creek	North Branch Tobacco River	04152334
Unnamed tributary	Loon Lake Creek	04152120
Unnamed tributary	Middle Branch Tobacco River	04152270
Unnamed tributary	Mostellar Creek	04152310
Unnamed tributary	South Branch Tobacco River	04152210
Clinton County		
Baker Creek	Maple River	04114595 04114597
Hayworth Creek	Maple River	04115096 04115100
Little Maple River	Maple River	04114588 04114589 04114590 04114592
Looking Glass River	Grand River	04114340 04114380 04114400 04114415 04114436 04114450 04114498
Maple River	Grand River	04114580 04114594 04114600
Muskrat Creek	Stony Creek	04115760
Remey Chandler Drain	Looking Glass River	04114355 04114360 04114375
Stony Creek	Maple River	04115700
Summers Drain	Looking Glass River	04114430
Crawford County		
Au Sable River	Lake Huron	04135452 04135470 04135612 04135614 04135616 04135620 04135624 04135625 04135634 04135718
Beaver Creek	South Branch Au Sable River	04135682
Big Creek	North Branch Au Sable River	04135900
East Branch Au Sable River	Au Sable River	04135510 04135515 04135520 04135540 04135545 04135550 04135560 04135565 04135570 04135590 04135595 04135600
Goose Creek	Manistee river	04123493
Manistee River	Lake Michigan	04123487
Manistee River	Manistee Lake	04123470 04123475 04123480 04123485 04123496 04123500
Middle Branch Big Creek	Big Creek	04135850 04135855
North Branch Au Sable River	Au Sable River	04135780 04135782 04135785 04135788 04135800 04135910
Portage Creek	Manistee River	04123540
Shellenbarger Lake Outlet	Au Sable River	04135610
South Branch Au Sable River	Au Sable River	04135685 04135687 04135690 04135700 04135705
Unnamed tributary	East Branch Au Sable River	04135530 04135580
Unnamed tributary	Manistee River	04123482
Delta County		
Bark River	Green Bay	04059595
Bichler Creek	Escanaba River	04059033
Bills Creek	Whitefish River	04057600
Bobs Creek	Escanaba River	04058995
Chippeny Creek	Whitefish River	04057577
Days River	Little Bay de Noc	04057657 04057659 04057660 04057663
East Branch Whitefish River	Whitefish River	04057527
Escanaba River	Little Bay de Noc	04059030 04059034
Fishdam River	Big Bay de Noc	04057180 04057190
Ford River	Green Bay	04059140 04059150 04059500
Haymeadow Creek	Whitefish River	04057570
Hunters Brook	Escanaba River	04058980
Indian Creek	Escanaba River	04058955
Inman Creek	Rapid River	04057647
Mosquito Creek	Escanaba River	04058990
Portage Creek	Portage Bay	04059035 04059042 04059043
Rapid River	Little Bay de Noc	04057625 04057638 04057648 04057650
Reno Creek	Escanaba River	04059031
Silver Creek	Escanaba River	04059020
Squaw Creek	Escanaba River	04058948 04058950
Sturgeon River	Big Bay de Noc	04057490 04057500 04057510 04057520
Tacoosh River	Little Bay de Noc	04057652 04057655
Ten Mile Creek	Ford River	04059402
Twenty-four Mile Creek	Ford River	04059160
Unnamed tributary	Days River	04057662
West Branch Whitefish River	Whitefish River	04057530 04057540
Whitefish River	Little Bay de Noc	04057580 04057605
Willow Creek	Portage Creek	04059040

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Station Name	Tributary to	Station number					
Dickinson County							
East Branch Sturgeon River	Sturgeon River	04065390	04065393	04065395	04065400	04065405	
Ford River	Green Bay	04059100					
Groveland Mine Outlet	Pine Creek	04065560					
Hamilton Creek	Menominee River	04065700					
Michigamme River	Menominee River	04062400					
Mounty's Creek	Pine Creek	04065573	04065576	04065580			
North Branch Ford River	Ford River	04059110					
Pine Creek	Sturgeon River	04065550	04065567	04065570	04065600	04065630	
Skunk Creek	East Branch Sturgeon River	04065392					
Steel Creek	Pine Creek	04065590					
Sturgeon River	Menominee River	04065500	04065545	04065650			
Unnamed tributary	Pine Creek	04065565	04065620				
West Branch Escanaba River	Escanaba River	04058540					
West Branch Sturgeon River	Sturgeon River	04065300	04065302	04065310			
White Creek	Menominee River	04065200					
Eaton County							
Battle Creek	Kalamazoo River	04104000	04104500				
Butternut Creek	Thornapple River	04116650	04116653				
Carrier Creek	Grand River	04113100					
Grand River	Lake Michigan	04111030	04111033	04111045	04113050	04113155	
Hobart Drain	Spring Brook	04110910					
Indian Creek	Battle Creek	04104298	04104300				
Lacey Creek	Thornapple River	04116810					
Little Thornapple River	Thornapple River	04116730					
Miller Creek	Grand River	04113150					
Narrow Lake Outlet	Battle Creek	04103800					
Sandstone Creek	Grand River	04113250					
Scipio Creek	Thornapple River	04116900					
Shanty Brook	Thornapple River	04116820	04116822	04116830			
Silver Creek	Grand River	04111038	04111044				
Spring Brook	Grand River	04110897	04110900				
Thompson Creek	Thornapple River	04116790					
Thornapple River	Grand River	04116640	04116700	04116800			
Unnamed tributary	Thornapple River	04116660	04116662				
Whaley Drain	Silver Creek	04111043					
Emmet County							
Bear River	Lake Michigan	04127870					
Carp River	Lake Michigan	04127880					
Crooked River	Burt Lake	04127975					
East Branch Maple River	Maple River	04127977					
French Farm Creek	Lake Michigan	04127883					
Maple River	Burt Lake	04127979					
Minnehaha Creek	Crooked Lake	04127963					
Oden Hatchery Outfall	Crooked Lake	04127971					
Oden Hatchery Overflow	Crooked Lake	04127973					
Pickerel Lake Outlet	Crooked Lake	04127961					
Round Lake Outlet	Crooked Lake	04127965					
Unnamed tributary	Crooked Lake	04127967	04127969				
Genesee County							
Armstrong Creek	Flint River	04148650					
Black Creek	Kearsley Creek	04148138					
Brent Creek	Flint River	04148625					
Brent Run	Flint River	04148720	04148744	04148745			
Butternut Creek	Flint River	04147985	04147995				
Carman Creek	Swartz Creek	04148305	04148310	04148312			
Central Stadler Drain	Brent Run	04148740					
Cole Creek	Flint River	04148610	04148612	04148613			
Cummings Drain	Kearsley Creek	04148122					
Flint River	Shiawassee River	04148008	04148154	04148180	04148184	04148465	04148470
		04148480	04148545	04148615	04148660		
Freeman Drain	Brent Creek	04148620					
Gilkey Creek	Flint River	04148160	04148165	04148175			
Hasler Creek	Flint River	04146900					
Kearsley Creek	Flint River	04148130	04148142	04148147	04148150		
Mud Creek	Flint River	04148533	04148535	04148540			
North Ore Creek	Shiawassee River	04143938	04143940				
Pine Run	Flint River	04148795					
Pirnie Creek	Flint River	04148510					
Shiawassee River	Saginaw River	04143855	04143860	04143895	04143910	04143955	
Swartz Creek	Flint River	04148258	04148259	04148260	04148300	04148463	
Thread Creek	Swartz Creek	04148420	04148430	04148438	04148450	04148457	04148460
West Branch Swartz Creek	Swartz Creek	04148267	04148270				
Gladwin County							
Cedar River	Tobacco River	04152420	04152430	04152450			
East Branch Tittabawassee River	Middle Branch Tittaba. River	04152030					
Little Cedar River	Tobacco River	04152600					
Little Molasses River	Molasses River	04152075					
Lorrabee Creek	Tittabawassee River	04152078					
Lyle Drain	South Branch Tobacco River	04152240					
Middle Branch Tittabawassee River	Tittabasassee River	04152020					
Middle Branch Tobacco River	Tobacco River	04152285	04152290				
Molasses River	Tittabawassee River	04152070					
North Branch Tobacco River	Tobacco River	04152360	04152365	04152390			

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STATION NAME	TRIBUTARY TO	STATION NUMBER
GLADWIN COUNTY--CONTINUED		
Rilett Drain	South Branch Tobacco River	04152235
South Branch Tobacco River	Tobacco River	04152230 04152238
Sugar River	Tittabawassee River	04152050 04152054 04152055 04152057
Tobacco River	Tittabawassee River	04152500
West Branch Tittabawassee River	Tittabawassee River	04152045 04152047
GOGEBIC COUNTY		
Black River	Lake Superior	04030500 04031030
Cherry Creek	Presque Isle River	04032010
Cisco Branch Ontonagon River	South Branch Ontonagon River	04038000
Connors Creek	Jackson Creek	04030957
Copps Creek	Presque Isle River	04031650
Jackson Creek	Black River	04030810 04030955
Kallander Creek	Black River	04030967
Little Black River	Black River	04030525
Little Black River	Sunday Lake	04030520
Little Carp River	Lake Superior	04032184
Little Presque Isle River	Presque Isle River	04031950
Middle Branch Ontonagon River	Ontonagon River	04032700 04032800 04032850 04032900
Montreal River	Lake Superior	04027940 04028000 04028100 04029550 04030000
Mud Creek	Montreal River	04029950
Planter Creek	Jackson Creek	04030960
Plymouth Mine Pond Outlet	Alward Creek	04030502
Powder Mill Creek	Black River	04030975 04030980 04030998
Presque Isle River	Lake Superior	04032000 04032110 04032150
Siemens Creek	Montreal River	04028200
Spring Creek	Montreal River	04028110
Unnamed tributary	Kallander Creek	04030965
Welsh Creek	Montreal River	04028090 04028092
GRAND TRAVERSE COUNTY		
Acme Creek	Lake Michigan	04127528
Bancroft Creek	East Creek	04126993
Battle Creek	Elk Lake	04127600
Betsie River	Lake Michigan	04126550
Boardman River	Lake Michigan	04126965 04126970 04126985 04126990 04126991 04127015 04127250 04127490 04127500
Cedar-Hedge Lake Outlet	Duck Lake Outlet	04126535
Duck Lake Outlet	Green Lake	04126532
East Creek	Boardman River	04126997 04126998
Ellis Lake Outlet	Tonawanda Lake	04126530
Fife Lake Outlet	Manistee River	04123700 04123706
Green Lake Inlet	Green Lake	04126546
Hospital Creek	Boardman River	04127498
Jaxon Creek	Boardman River	04127019
Mason Creek	Duck Lake	04126525
Mitchell Creek	Lake Michigan	04127510 04127520
North Branch Boardman River	Boardman River	04126958 04126960
South Branch Boardman River	Boardman River	04126950 04126955
Swainston Creek	Boardman River	04127008 04127010
Tobeco Creek	Petobego Pond	04127550
Williamsburg Creek	Elk Lake	04127620
Yuba Creek	Lake Michigan	04127535
GRATIOT COUNTY		
Bear Creek	Maple River	04114700 04114701
Brady Creek	Bad River	04145235 04145240 04145285 04145300 04145310
Honeyoey Creek	Pine River	04154950
Maple River	Grand River	04114710
Maple River Cutoff Channel	Maple River	04114615
Pine Creek	Maple River	04114900
Pine River	Chippewa River	04154900 04155005
Unnamed tributary	Brady Creek	04145270 04145305
HILLSDALE COUNTY		
Baw Beese Lake Inlet	St. Joseph River	04096205
Baw Beese Lake Outlet	St. Joseph River	04096207 04096209
Beebe Creek	St. Joseph River	04096240 04096245 04096250 04096255 04096257 04096272
Butternut Creek	St. Joseph River	04096280
Clear Fork	East Branch St. Joseph River	04177094 04177096
Clear Lake Outlet	W Fork W Branch St. Joseph R.	04177220
East Branch St. Joseph River	St. Joseph River	04177060 04177065 04177075 04177080
East Fork West Branch St. Joseph River	West Branch St. Joseph River	04177250 04177260
Grand River	Lake Michigan	04108890
Half Moon Lake Outlet	Beebe Creek	04096265
Herricksville Drain	St. Joseph River	04096287 04096288
King Lake Inlet	St. Joseph River	04096210
King Lake Outlet	St. Joseph River	04096212 04096214
Laird Creek	East Branch St. Joseph River	04177085
Middle Sand Lake Outlet	Sand Creek	04096299
Mill Creek	Tiffin River	04184390
Mill Stream Drain	St. Joseph River	04177310
Pr[illegible]ty Drain	W Fork W Branch St. Joseph R.	04177221 04177222 04177223
Sand Creek	St. Joseph River	04096300 04096304 04096308 04096312 04096314
Silver Creek	East Branch St. Joseph River	04177088 04177092
Soap Creek	St. Joseph River	04096320
South Branch Kalamazoo River	Kalamazoo River	04102790

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STATION NAME	TRIBUTARY TO	STATION NUMBER
HILLSDALE COUNTY--CONTINUED		
South Sand Lake Outlet	Middle Sand Lake	04096293
St. Joseph River	Lake Michigan	04096217 04096218 04096225 04096226 04096227 04096273 04096276 04096278 04096282 04096285 04096286 04096315
Unnamed tributary	Beebe Creek	04096260 04096262 04096267
Unnamed tributary	East Branch St. Joseph River	04177070
Unnamed tributary	Hog Creek	04096517 04096518
Unnamed tributary	Sand Creek	04096298 04096307
Unnamed tributary	Unnamed tributary	04096264
West Fork West Branch St. Joseph River	West Branch St. Joseph River	04177225 04177240
Winona Lake Outlet	St. Joseph River	04096235
HOUGHTON COUNTY		
Bart Creek	North Branch Otter River	04042431 04042435
Bear Creek	Sevenmile Creek	04040205
Dover Creek	Torch Lake	04043035
East Branch Ontonagon River	Middle Branch Ontonagon River	04034780 04034820
East Branch Sleepy Creek	Sleepy Creek	04040150
Gooseneck Creek	Portage Lake	04043030
Hammell Creek	Trap Rock River	04043052
Hills Creek	Lake Superior	04040216
Little Otter River	North Branch Otter River	04042401
Little Silver River	Sturgeon River	04041200
North Branch Otter River	Otter River	04042450
North Branch Sleepy Creek	Sleepy Creek	04040152
Otter River	Otter Lake	04042500
Pilgrim River	Portage Lake	04043015
Salmon Trout River	Lake Superior	04040200
Sawmill Creek	Torch Lake	04043053
Scales Creek	Trap Rock River	04043042
Sevenmile Creek	Lake Superior	04040208 04040209
Sidnaw Creek	Sturgeon River	04041100
Silver River	Sturgeon River	04042100
Slaughterhouse Creek	Scales Creek	04043045
Sleepy Creek	East Sleeping River	04040154 04040156
Smith's Creek	Sevenmile Creek	04040211
Snake River	Portage Lake	04043055
Sturgeon River	Portage Lake	04041490 04043005
Trap Rock River	Torch Lake	04043050
West Branch Otter River	Otter River	04042452 04042453 04042455 04042457 04042460
West Branch Sturgeon River	Sturgeon River	04092198 04042200 04042220
HURON COUNTY		
Bad Axe Creek	Pinnebog River	04159020 04159025 04159030 04159035
Bad Axe Drain	Bad Axe Creek	04159015 04159017
E Fork Sebewaing River (Columbia Drn)	Sebewaing River	04158000
New River	Lake Huron	04159070
North Branch Schram Drain	Schram Drain	04159055
Pigeon River	Lake Huron	04159005
Pinnebog River	Lake Huron	04159045 04159050
Schram Branch	Pinnebog River	04159053
Sebewaing River (State Drain)	Lake Huron	04157500
South Branch Schram Drain	Schram Drain	04159060
Willow Creek	La[illegible]uron	04159080
INGHAM COUNTY		
Coon Creek	Red Cedar River	04111630
Deer Creek	Red Cedar River	04111505 04111600
Doan Creek	Red Cedar River	04111410
Grand River	Lake Michigan	04111055
Huntoon Creek	Grand River	04110650
Kalamink Creek	Red Cedar River	04111300
Lake Lansing Outlet	Red Cedar River	04112415
Mud Creek	Sycamore Creek	04112800
Red Cedar River	Grand River	04111379 04111381 04111425 04111640 04112400 04112401 04112555
Royston Drain	Huntoon Creek	04110645
Squaw Creek	Red Cedar River	04111400
Sycamore Creek	Red Cedar River	04112692 04112700 04112850 04112900 04112906 04112908
Unnamed tributary	Red Cedar River	04111610 04111611 04111620
Unnamed tributary	Sycamore Creek	04112694
Wolf Creek	Red Cedar River	04111350
IONIA COUNTY		
Dickerson Creek	Flat River	04116460
Duck Creek	Coldwater River	04117910
Fish Creek	Maple River	04115615
Frayer Creek	Grand River	04113975
Grand River	Lake Michigan	04114520
Lake Creek	Grand River	04116050
Leary Drain	Morrison Lake	04116047 04116049
Libhart Creek	Grand River	04115830 04115853
Little Libhart Creek	Libhart Creek	04115850
Prairie Creek	Grand River	04115880 04115888 04115890 04115891 04115897 04115900
Sessions Creek	Grand River	04116015
Stony Creek	Maple River	04115800 04115805
Tupper Creek	Little Thornapple R.	04117805

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IONIA COUNTY--CONTINUED

STATION NAME	TRIBUTARY TO	STATION NUMBER
Unnamed tributary	Bear Creek	04117924
Unnamed tributary	Dry Creek	04115905
Unnamed tributary	Morrison Lake	04116045

IOSCO COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER
Au Gres River	Lake Huron	04138500
Au Sable River	Lake Huron	04137500 04137550 04137720
Coppler Creek	Pine River	04137685 04137690
Dry Creek	Van Etten Lake	04137700 04137705
East Branch Au Gres River	Lake Huron	04137970 04137990 04137995 04138000
Guilay Creek	East Branch Au Gres River	04137980
Old Au Sable River	Au Sable River	04137725
Tawas River	Lake Huron	04137790 04137800
Van Etten Creek	Au Sable River	04137710 04137715

IRON COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER
Alpha Creek	Mastodon Creek	04060590 04060592 04060594 04060596 04060597
Baker Creek	Iron River	04060490
Briar Hill Creek	Paint River	04061470
Brule River	Menominee River	04059906 04059910
Chicagon Creek	Paint River	04061400
Costigan Creek	Sunset Creek	04059973
Deer River	Michigamme River	04062480
Dober Mine Pond Outlet	Iron River	04060001
East Branch Fence River	Fence River	04062450
East Branch Net River	Net River	04061250
Fence River	Michigamme River	04062470
Hemlock River	Paint River	04061300
Holmes Creek	Iron River	04060100
Iron Lake Creek	Iron River	04059966
Iron River	Brule River	04059960 04059963 04059964 04059967 04059985 04059987 04059990 04060000 04060400 04060500 04060510 04060520
Mastodon Creek	Buck Lake	04060600
Menominee River	Green Bay	04063000
North Branch Net River	Net River	04061200
Paint River	Brule River	04061100 04061450 04061900 04062003 04062005
Spring	Alpha Creek	04060593
Stanley Creek	Iron River	04059980 04059982
Sunset Creek	Iron River	04059970 04059974 04059975
Verona Mine Pond Outlet	Iron River	04060395
West Branch Fence River	Fence River	04062430

ISABELLA COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER
Chippewa River	Tittabawassee River	04153750 04153760 04153800 04153985
Mission Creek	Chippewa River	04153990
North Branch Chippewa River	Chippewa River	04153850 04153900
Pine River	Chippewa River	04154595
Pony Creek	Pine River	04154200
Salt Creek	Chippewa River	04154100 04154105 04154110
South Branch Salt River	Salt River	04153400

JACKSON COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER
Allen Lake Outlet	Grand River	04110630
Batteese Creek	Portage River	04110600
Center Lake Outlet	Grand River	04108940
Goose Creek	Stony Lake Outlet	04175585
Grand River	Lake Michigan	04108894 04108900 04108925 04108945 04108948 04108950 04108952 04108956 04110660 04110675 04110676 04110710
Huntoon Creek	Grand River	04110655
North Branch Kalamazoo River	Kalamazoo River	04102990
Orchard Creek	Portage River	04110000
Perry Creek	Grand River	04110670
Portage Lake Inlet	Portage River	04109300
Portage River	Grand River	04109480 04110500 04110605 04110610
River Raisin	Lake Erie	04175570 04175575 04175587
Sandstone Blackman Drain	Sandstone Creek	04110695
Sandstone Creek	Grand River	04110689 04110690 04110696 04110698 04110700
Spring Brook	Grand River	04110888
Stony Lake Outlet	River Raisan	04175590
Tobin Snyder Drain	Grand River	04109100
Trist Branch Portage River	Portage River	04109490
Twin Lakes	Grand River	04110625
Unnamed tributary	Grand River	04110640
Unnamed tributary	North Branch Kalamazoo River	04102905
Unnamed tributary	River Raisin	04175595
Western Creek	Grand River	04110635

KALAMAZOO COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER
Augusta Creek	Kalamazoo River	04105680 04105700
Austin Lake Outlet	Gourdneck Creek	04097206 04097207
Axtell Creek	Portage Creek	04106503 04106505
Bear Creek	Nottawa Creek	04096940 04096950
Bear Creek	Portage River	04097260 04097330
Comstock Creek	Kalamazoo River	04105975 04105985 04105990
Davis Creek	Kalamazoo River	04106020 04106050
Dorrance Creek	Portage River	04097130

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STATION NAME	TRIBUTARY TO	STATION NUMBER
KALAMAZOO COUNTY--CONTINUED		
Flowerfield Creek	Rocky River	04097350 04097352 04097355
Gourdneck Canal	Portage Creek	04097200 04097205
Gull Creek	Kalamazoo River	04105770 04105780 04105790 04105800 04105802
Hamilton Lake Outlet	Augusta Creek	04105685
Howard Lake Inlet	Portage River	04097215
Kalamazoo River	Lake Michigan	04105653 04105655 04105675 04105820 04106000 04106515 04106599 04106600 04106770
Little Portage Creek	St. Joseph River	04097040 04097045 04097060
Portage Creek	Kalamazoo River	04106135 04106160 04106180 04106190 04106250 04106275 04106301 04106450 04106500 04106507 04106512
Portage Creek	Portage River	04097210 04097220 04097240
Portage River	St. Joseph River	04097070 04097075 04097080 04097120 04097160 04097170 04097175
Rupert Lake Outlet	Pine Creek	04107750
Sand Creek	Pine Creek	04107710
Silver Creek	Kalamazoo River	04106850
Spring Brook	Kalamazoo River	04106720 04106730 04106750
Spring Valley Lake Outlet	Kalamazoo River	04106550
Unnamed tributary	Bear Creek	04097280
Unnamed tributary	Flowerfield Creek	04097360 04097365
Unnamed tributary	Kalamazoo River	04105660 04105665 04105670 04106775 04106780
Unnamed tributary	Little Portage Creek	04097050
Unnamed tributary	Pine Creek	04107770
Unnamed tributary	Portage Creek	04106140 04106170
Unnamed tributary	Portage River	04097115
West Fork Portage Creek	Portage Creek	04106320 04106330 04106380 04106405 04106420
KALKASKA COUNTY		
Big Cannon Creek	Manistee River	04123590 04123595 04123600 04123605
Big Devil Creek	Manistee River	04123575
Black Creek	Manistee River	04123560 04123563 04123566
Goose Creek	Manistee River	04123489 04123491
Little Devil Creek	Manistee River	04123580
Little Rapid River	Rapid River	04127584
Manistee River	Lake Michigan	04123568 04123572
Manistee River	Manistee Lake	04123505 04123510 04123555 04123650
Morrison Creek	North Branch Manistee River	04123628
North Branch Boardman River	Boardman River	04126956
North Branch Manistee River	Manistee River	04123610 04123615 04123627 04123630 04123635 04123640
Pierson Creek	Manistee River	04123645
Portage Creek	Manistee River	04123550
Rapid River	Torch River	04127579 04127585
Unnamed tributary	North Branch Manistee River	04123620 04123625
KENT COUNTY		
Barkley Creek	Rogue River	04118487
Bear Creek	Coldwater River	04117930
Buck Creek	Grand River	04119077 04119100 04119145 04119155 04119161 04119162
Cedar Creek	Rogue River	04118430
Coldwater River	Thornapple River	04117901 04117940 04117950 04117960
Coopers Creek	Flat River	04116250
Duck Creek	Coldwater River	04117920
Flat River	Grand River	04116515
Grand River	Lake Michigan	04119070
Indian Creek	Grand River	04118985 04118986 04118990
Mill Creek	Grand River	04118550
Plaster Creek	Grand River	04119050 04119060 04119061 04119064 04119065
Rogue River	Grand River	04118350 04118355 04118356 04118360 04118400 04118402 04118410 04118415 04118465 04118490 04118509 04118510
Rum Creek	Rogue River	04118483
Rush Creek	Grand River	04119221
Shaw Creek	Rogue River	04118470
Unnamed tributary	Buck Creek	04119140
KEWEENAW COUNTY		
Big Siskiwit River	Lake Superior	04002000
Deer Lake Outlet	Little Gratiot River	04040313
Eagle River	Lake Superior	04040280
Feldtmann Lake Outlet	Lake Superior	04000800
Grace Creek	Lake Superior	04000900
Lake Fanny Hooe Outlet	Lake Superior	04040300
Little Gratiot River	Lac La Belle	04040310 04040315
Little Siskiwit River	Lake Superior	04001700
Siskiwit Lake Outlet	Lake Superior	04001500
Tobacco River	Lake Superior	04040350
Washington Creek	Lake Superior	04000950 04000970 04001000
LAKE COUNTY		
Baldwin River	Pere Marquette River	04122310 04122320
Butterfly Creek	Little Manistee River	04126172
Coe Creek	Pine River	04125105 04125110 04125130 04125140
Cool Creek	Stronach Creek	04126185 04126186
Elm Creek	Pine River	04125230
Little Manistee River	Manistee Lake	04126100 04126105 04126110 04126125 04126130 04126135 04126140 04126145 04126164 04126166 04126170 04126173 04126174 04126175 04126176 04126178 04126180 04126188
Little South Br Pere Marquette River	Pere Marquette River	04122282 04122285 04122289 04122290

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STATION NAME	TRIBUTARY TO	STATION NUMBER
LAKE COUNTY--CONTINUED		
Middle Branch Pere Marquette River	Pere Marquette River	04122250 04122255 04122260 04122265
Mud Lake Outlet	Little Manistee River	04126168
North Branch Twin Creek	Twin Creek	04126150
Perch Lake Outlet	Little Manistee River	04126120
Pere Marquette River	Lake Michigan	04122375
Pere Marquette River	Pere Marquette Lake	04122300 04122330
Pine River	Manistee River	04125005 04125040 04125090 04125100 04125150 04125200 04125205 04125215 04125220 04125370
Poplar Creek	Pine River	04125360
Silver Creek	Pine River	04125208 04125210
South Branch Twin Creek	Twin Creek	04126155
Stronach Creek	Little Manistee River	04126182 04126184 04126187
Twin Creek	Little Manistee River	04126160
Unnamed tributary	Little Manistee River	04126115
LAPEER COUNTY		
Algae Lake Outlet	Kearsley Creek	04148050
Belle River	St. Clair River	04160550 04160551 04160555 04160559 04160565 04160572 04160575
Bottom Creek	North Branch Flint River	04146110
Cedar Creek	North Branch Flint River	04146090
Elk Lake Creek	North Branch Mill Creek	04159700
Flint River	Shiawassee River	04146500
Gravel Creek	North Branch Flint River	04146130
Hemming and Whipple Drain	Flint River	04146475
Henry Drain	Flint River	04146600
Hunters Creek	South Branch Flint River	04145938 04145940
Indian Creek	North Branch Flint River	04146180 04146230
North Branch Belle River	Belle River	04160568 04160570 04160571
North Branch Clinton River	Clinton River	04164010
North Branch Flint River	Flint River	04146140 04146250 04146400 04146450
North Branch Mill Creek	Mill Creek	04159750
Pine Creek	South Branch Flint River	04145928 04145929
Plum Creek Drain	South Branch Flint River	04146050 04146051
South Branch Flint River	Flint River	04145916 04145921 04145930 04145935 04146015 04146020 04146052 04146055 04146057 04146060 04146063
Spring Bank Creek	Mill Creek	04145945 04145950
Squaw Creek	North Branch Flint River	04146350
Unnamed tributary	Belle River	04160557 04160573
Unnamed tributary	North Branch Clinton River	04164018
Weston Drain	Belle River	04160560
LEELANAU COUNTY		
Cedar Run	Lake Leelanau	04126850
Crystal River	Lake Michigan	04126800 04126802
Shalda Creek	Lake Michigan	04126810
LENAWEE COUNTY		
Baker and May Drain	Black Creek	04176035
Bean Creek	Tiffin River	04184300 04184301 04184315 04184319 04184320 04184325 04184340 04184350 04184360
Bear Creek	Black Creek	04176020 04176080 04176100 04176103
Beaver Creek	South Branch River Raisin	04175980 04175982
Big Meadow Drain	Black Creek	04176110
Black Creek	River Raisin	04175940 04176025 04176027 04176040 04176070 04176120
Cook Drain	South Branch River Raisin	04175990
Devils Lake Outlet	Bean Creek	04184290
Evans Creek	River Raisin	04175665 04175680
Garrison Drain	Bean Creek	04184330
Goose Creek	Stony Lake Outlet	04175580
Hahn Drain	River Raisin	04176130
Hazen Creek	South Branch River Raisin	04175800
Horseshoe Lake Outlet	Bean Creek	04184307
Lima Creek	Bean Creek	04184370
Middle Branch Macon Creek	South Branch Macon Creek	04176220
Nile Ditch	Black Creek	04176060
North Branch Macon Creek	Macon Creek	04176295
Posey Lake Outlet	Bean Creek	04184310
Riga Drain	River Raisin	04176150
River Raisin	Lake Erie	04175685 04175700 04176000 04176010 04176140 04176160
Silver Creek	Bean Creek	04184380
South Branch Macon Creek	Macon Creek	04176240
South Branch River Raisin	River Raisin	04175750 04175835 04175850 04175855 04175960 04175985
Squaw Creek	Wolf Creek	04175900
St. Joseph Creek	Bean Creek	04184318
Stony Creek	South Branch River Raisin	04175830
Wolf Creek	South Branch River Raisin	04175875 04175880 04175920 04175950 04175955

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STATION NAME	TRIBUTARY TO	STATION NUMBER					
LIVINGSTON COUNTY							
Brighton Lake Outlet	Huron River	04171350					
Chilson Creek	Huron River	04172150	04172155	04172160	04172165	04172170	
Crooked Lake Outlet	Portage River	04172460					
Davis Creek	Huron River	04170805	04171000	04171010			
Dibrova Lake Outlet	Ore Lake	04171700					
Gosling Lake Outlet	Portage River	04172430					
Hay Creek	Chilson Creek	04172180					
Horseshoe Lake Outlet	Huron River	04172135	04172136	04172140			
Huron River	Lake Erie	04170700	04171012				
Inchwagh Lake Outlet	Davis Creek	04170850					
Livermore Creek	Portage Creek	04172415					
Mann Creek	Huron River	04170600					
Marion and Genoa Drain	South Branch Shiawassee R.	04143965	04143967				
Middle Branch Red Cedar River	Red Cedar River	04111150					
Monahan Lake Outlet	Davis Creek	04170990					
Murray Lake Outlet	South Ore Creek	04171400					
Ore Lake Outlet	Huron River	04171800					
Portage Creek	Portage River	04172300	04172350				
Portage River	Huron River	04172420	04172470	04172500			
Red Cedar River	Grand River	04111140	04111160	04111163	04111164	04111165	04111170
		04111180	04111200	04111205			
South Branch Shiawassee River	Shiawassee River	04143969	04143971	04143973	04143975	04143977	04143978
		04143979	04143985				
South Ore Creek	Huron River	04171500	04171600				
Sprague Creek	South Branch Shiawassee R.	04143984					
Tobin Lake Outlet	Davis Creek	04170910					
Walker Drain	Inchwagh Lake	04170810					
West Branch Red Cedar River	Red Cedar River	04111265					
Woodland Lake Outlet	Huron River	04171250	04171300				
Woodruff Creek	Huron River	04170650					
LUCE COUNTY							
Dawson Creek	Two Hearted River	04044803					
East Branch Two Hearted River	Two Hearted River	04044808	04044810	04044811			
East Lake Creek	Teaspoon Creek	04044990	04044991				
North Branch Two Hearted River	Two Hearted River	04044799					
North Manistique Lake Outlet	Manistique Lake	04047000					
South Branch Two Hearted River	West Branch Two Hearted River	04044797					
Tahquamenon River	Whitefish Bay	04044830	04044835	04044838	04044840	04045000	
Trout Creek	Cranberry Lake Outlet	04044795					
Trout Creek	Muskallonge Lake	04044792					
Trout Creek Diversion	Muskallonge Lake	04044794					
Two Hearted River	Lake Superior	04044800	04044804	04044813			
West Branch Two Hearted River	Two Hearted River	04044798					
MACKINAC COUNTY							
Carp River	St. Martin Bay	04127945	04127950				
North Fork Carp River	Carp River	04127940					
Pine River	St. Martin Bay	04127925					
Rock River	Lake Michigan	04046300					
Silver Creek	Pine River	04127920					
MACOMB COUNTY							
Apel Drain	North Branch Clinton River	04164030					
Ashery Creek	Belle River	04160610					
Bear Creek	Red Run	04162500	04162510				
Belle River	St. Clair River	04160603	04160612				
Big Beaver Creek	Red Run	04162895					
Cemetery Creek	Highbank Creek	04164340					
Coon Creek	North Branch Clinton River	04164190	04164200	04164210	04164390		
Deer Creek	North Branch Clinton River	04164395	04164400				
Dunn Drain	Gloede Ditch	04165190					
East Branch Coon Creek	Coon Creek	04164290	04164310	04164360	04164385		
East Pond Creek	North Branch Clinton River	04164090	04164093	04164095	04164101	04164110	
Fish Creek	Salt River	04160700					
Gloede Ditch	Middle Branch Clinton River	04165200					
Harrington Drain	Clinton River	04165550					
Hart Drain	North Branch Clinton River	04164470					
Healy Drain	Middle Branch Clinton River	04164700					
Highbank Creek	East Branch Coon Creek	04164320	04164330	04164350			
Mahaffy Drain	North Branch Clinton River	04164045					
McBride Drain	North Branch Clinton River	04164450					
Middle Branch Clinton River	North Branch Clinton River	04164520	04164600	04164800	04165000	04165220	
Mount Vernon Drain	Stony Lake	04161780					
Newland Drain	North Branch Clinton River	04164040					
North Branch Clinton River	Clinton River	04164020	04164025	04164050	04164130	04164150	
Plum Brook	Red Run	04163790	04163800				
Red Run	Clinton River	04162400	04163030	04163060			
Salt River	Lake St. Clair	04160678	04160680	04160685	04160687	04160688	04160689
Stony Creek	Clinton River	04161585	04161800				
Tupper Brook	Coon Creek	04164230	04164250				
Unnamed tributary	North Branch Clinton River	04164022					
Unnamed tributary	Stony Lake Reservoir	04161588					
Unnamed tributary	Yates Drain	04164545					
Yates Drain	Middle Branch Clinton River	04164550					

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STATION N	TRIBUTARY TO	STATION NUMBER
MANISTEE COUNTY		
Bear Creek	Manistee River	04125700
Betsie River	Lake Michigan	04126581 04126584 04126586
Little Manistee River	Manistee Lake	04126195 04126200 04126300 04126500 04126502
Manistee River	Manistee Lake	04124200
MARQUETTE COUNTY		
Bear Creek	Middle Branch Escanaba River	04058073 04058074 04058076 04058078 04058080
Beaver Lake Inlet	Beaver Lake	04062347
Beaver Lake Outlet	Horseshoe Lake	04062348
Bell Creek	Middle Branch Escanaba River	04057819
Big Creek	Chocolay River	04044552 04044554 04044560 04044561 04044563 04044567
Big Garlic River	Sauk Head Lake	04043330
Black River	Middle Branch Escanaba River	04057850 04057885 04057900 04057980
Boston Lake Outlet	Middle Branch Escanaba River	04057806 04057808
Bruce Creek	Black River	04057890
Carp Canal	Carp River	04044462
Carp Creek	Deer Lake	04044180 04044185 04044187 04044200 04044202 04044210
Carp River	Lake Superior	04044340 04044360 04044401 04044403 04044404 04044405 04044406 04044460
Cedar Creek	Chocolay River	04044570 04044572 04044573 04044574 04044577
Cherry Creek	Chocolay River	04044580 04044581 04044582 04044583 04044584 04044585 04044586
Chocolay River	Lake Superior	04044588
Dishno Creek	Peshekee River	04062095
East Branch Escanaba River	Escanaba River	04058320 04058335 04058410 04058420 04058450 04058480 04058482 04058490 04058506
Ely Creek	Schweitzer Creek	04058161 04058163 04058165 04058167 04058170
Escanaba River	Little Bay de Noc	04058520
Fifteen Creek	East Branch Escanaba River	04058325 04058328
Flopper Creek	Middle Branch Escanaba River	04058056 04058057 04058058 04058060 04058061 04058062
Gold Mine Creek	Deer Lake	04044300
Goose Lake Inlet	Goose Lake	04058340 04058342 04058348 04058350
Goose Lake Outlet	East Branch Escanaba River	04058360 04058365 04058368 04058370 04058371 04058372 04058375 04058380 04058390 04058400 04058402
Green Creek	Middle Branch Escanaba River	04058110 04058119 04058120 04058122 04058124 04058126 04058130 04058132 04058140
Green Creek	Schweitzer Creek	04058175
Halfway Creek	East Branch Escanaba River	04058505
Halfway Creek	Middle Branch Escanaba River	04057770 04057771
Horseshoe Lake Outlet	Gambles Creek	04062349
Iron River	Lake Superior	04043300
Lake Lory Outlet	Black River	04057855 04057870
LeVasseur Creek	Kawbawgam Lake	04044545
LeVasseur Creek	Lake LeVasseur	04044544
Little Dead River	Dead River	04043400
Little Garlic River	Lake Superior	04043360
Little Lake Outlet	Sawmill Creek	04058700
Magers Creek	Lake Michigamme	04062205
McKinnon Lake Outlet	Lake Lory Outlet	04057860
Michigamme River	Menominee River	04062230 04062300
Middle Branch Escanaba River	Escanaba River	04057690 04057700 04057701 04057800 04057801 04057803 04057810 04057815 04057820 04058000 04058030 04058031 04058032 04058034 04058036 04058038 04058040 04058044 04058050
Mill Creek	Spruce River	04062235
Morgan Creek	Carp River	04044447 04044450
Norby Creek	Peterson Creek	04044558
O'Neal Creek	East Branch Escanaba River	04058470
Outflow of Mass and Negaunee Mines	Carp River	04044402
Partridge Creek	Carp Creek	04044206
Peshekee River	Lake Michigamme	04062100
Peterson Creek	Big Creek	04044555 04044556 04044557 04044559
Powell Lake Outlet	Uncle Tom Lake	04058430
Rocky Creek	West Branch Creek	04058022 04058023
Salmon Trout River	Lake Superior	04043250
Sand River	Lake Superior	04044610
Schweitzer Creek	East Branch Escanaba River	04058183 04058186 04058190 04058210 04058220
Second River	Middle Branch Escanaba River	04057745 04057750
Silver Creek	Chocolay River	04044589 04044590 04044591 04044592 04044594 04044595 04044597
Silver Lead Creek	West Branch Chocolay River	04044531 04044532
Spruce River	Michigamme River	04062250
Teal Lake Outlet	Carp River	04044370 04044371
Trout Falls Creek	Michigamme River	04062320
Uncle Tom Creek	East Branch Escanaba River	04058440
Unnamed tributary	Bear Creek	04058075 04058077 04058079
Unnamed tributary	Carp River	04044380
Unnamed tributary	East Branch Escanaba River	04058495
Unnamed tributary	Flopper Creek	04058059
Unnamed tributary	Goose Lake Outlet	04058374
Unnamed tributary	Green Creek	04058180
Unnamed tributary	Middle Branch Escanaba River	04058002 04058043 04058047
Unnamed tributary	Silver Creek	04044593
Unnamed tribucary	Warner Creek	04058250 04058252
Unnamed tributary	West Branch Creek	04058021
Warner Creek	East Branch Escanaba River	04058235 04058240 04058244 04058300
West Branch Chocolay River	Chocolay River	04044534 04044536 04044537 04044538
West Branch Creek	Middle Branch Escanaba River	04058010 04058020 04058024 04058026
West Branch Escanaba River	Escanaba River	04058600
Yellow Dog River	Lake Independence	04043295

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MASON COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER				
Big Sable River	Hamlin Lake	04122950	04123000			
Little Manistee River	Manistee Lake	04126189	04126190			
Pere Marquette River	Lake Michigan	04122400				

MECOSTA COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER				
Dead Stream Creek	West Br. Little Muskegon River	04121802				
Gilbert Creek	West Br. Little Muskegon River	04121800				
Tamarack Creek	Little Muskegon River	04121903	04121904	04121905	04121907	
Unnamed tributary	Tamarack Creek	04121906				
West Branch Chippewa River	Chippewa River	04153600				
West Branch Little Muskegon River	Little Muskegon River	04121810	04121815			

MENOMINEE COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER				
Big Brook	Walton River	04059757				
Birch Creek	Springer Creek	04059770	04059771			
Bis Creek	Green Bay	04059774				
Cedar River	Green Bay	04059680	04059700	04059750		
Ford River	Green Bay	04059120				
Forty-seven Mile Creek	Cedar River	04059710				
Little Cedar River	Menominee River	04067050	04067100	04067110		
Little River	Menominee River	04067600				
Little Shakey Creek	Shakey River	04066615				
South Branch Ford River	Ford River	04059130				
Ten Mile Creek	Ford River	04059170	04059180	04059190	04059250	04059400
Unnamed tributary	Ten Mile Creek	04059200	04059210			
Walton River	Cedar River	04059760				
West Branch Cedar River	Cedar River	04059695				
West Branch Ford River	Ford River	04059135				
West Branch Ten Mile Creek	Ten Mile Creek	04059172				

MIDLAND COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER				
Bush Creek	Pine River	04155030				
Lingle Drain	Tittabawassee River	04156010				
Salt River	Tittabawassee River	04153510				
Tittabawassee River	Saginaw River	04152080	04153300	04155995	04156200	

MISSAUKEE COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER				
Big Cannon Creek	Manistee River	04123585				
Butterfield Creek	Muskegon River	04121001	04121002	04121003	04121004	
Clam River	Muskegon River	04121250	04121255	04121300		
Hopkins Creek	Manistee River	04123675				
Muskegon River	Muskegon Lake	04120925	04121000			

MONROE COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER					
Bay Creek	Lake Erie	04176630					
Bear Creek	Saline River	04176427					
Big Ravine Drain	North Branch Tenmile Creek	04176715					
Disbrow Drain	Swan Creek	04175173					
Flat Creek	Lake Erie	04176645					
Halfway Creek	Lake Erie	04176657	04176662	04176680			
Hoegle Drain	Halfway Creek	04176655					
Indian Creek	Halfway Creek	04176695					
Little Lake Creek	Lake Erie	04176640					
Little River Raisin	River Raisin	04176180					
Little Sandy Creek	Sandy Creek	04175455					
Little Swan Creek	Swan Creek	04175225	04175227	04175250			
Macon Creek	River Raisin	04176330					
Middle Branch Macon Creek	South Branch Macon Creek	04176230					
Muddy Creek	Lake Erie	04176617					
North Branch Macon Creek	Macon Creek	04176300	04176310	04176320			
North Branch Otter Creek	Otter Creek	04176580					
North Branch Swan Creek	Swan Creek	04175205	04175207				
North Branch Tenmile Creek	Tenmile Creek	04176730					
Ottawa Lake Outlet	Tenmile Creek	04176725					
Otter Creek	Lake Erie	04176590	04176605	04176610			
Pitts Creek	Plum Creek	04176560					
Plum Creek	Lake Erie	04176553	04176555	04176565	04176566		
River Raisin	Lake Erie	04176200					
Robert Drain	Stony Creek	04175395					
Saline River	River Raisin	04176419	04176425	04176430	04176439		
Sandy Creek	Lake Erie	04175428	04175430	04175460	04175463	04175465	
South Branch Macon Creek	Macon Creek	04176260					
South Branch Otter Creek	Otter Creek	04176598	04176600				
Stony Creek	Lake Erie	04175340 04175410	04175350	04175360	04175385	04175399	04175405
Summerfield and Ida Drain	Otter Creek	04176585					
Swamp Raisin Creek	Little River Raisin	04176170					
Swan Creek	Lake Erie	04175155 04175235	04175160	04175175	04175180	04175212	04175228
Wanty Drain	Saline River	04176424					
Willow Run	River Raisin	04176515					

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STATION NAME	TRIBUTARY TO	STATION NUMBER					
MONTCALM COUNTY							
Dickerson Creek	Flat River	04116275	04116279	04116297	04116300	04116320	
Fish Creek	Maple River	04115255	04115265	04115297	04115300	04115310	04115315
		04115320	04115450	04115515	04115600		
Flat River	Grand River	04116170	04116200				
Pickeral Lake Outlet	Tamarack Creek	04121917					
Pine River	Chippewa River	04154600	04154605	04154610	04154615	04154620	
Prairie Creek	Grand River	04115865					
Tamarack Creek	Little Muskegon River	04121910	04121914	04121915	04121918	04121919	04121920
		04121925	04121935	04121940			
Tamarack Lake Inlet	Tamarack Lake	04121911					
Tamarack Lake Outlet	Tamarack Creek	04121912					
Unnamed tributary	Fish Creek	04115260					
Unnamed tributary	Tamarack Creek	04121916					
West Branch Fish Creek	Fish Creek	04115290					
Whitefish Lake Outlet	Tamarack Creek	04121930					
Wolf Creek	Pine River	04154612					
MONTMORENCY COUNTY							
Black River	Black Lake	04130065	04130070				
East Branch Black River	Black River	04130200					
East Fish Lake Outlet	Fuller Creek	04132290					
Fuller Creek	Hunt Creek	04132295					
Hunt Creek	Thunder Bay River	04132300					
McCormick Lake Outlet	Thunder Bay River	04132205					
North Branch Thunder Bay River	Thunder Bay River	04133600					
Thunder Bay River	Lake Huron	04132210	04132215	04132600			
Upper Tomahawk Lake Outlet	W Branch Upper Rainy River	04130600					
MUSKEGON COUNTY							
Bear Creek	Bear Lake	04122120	04122125				
Black Creek	Mona Lake	04120270	04120280	04120285	04120295	04120300	04120315
		04120320					
Crockery Creek	Grand River	04120000	04120030				
Green Creek	Muskegon Lake	04122145					
Little Bear Creek	Bear Creek	04122103	04122107	04122110			
Little Black Creek	Mona Lake	04120330	04120335				
Mosquito Creek	Muskegon River	04122057	04122065	04122070			
Ruddiman Creek	Muskegon Lake	04122087	04122090				
Ryerson Creek	Muskegon Lake	04122080	04122085				
Silver Creek	White River	04122207					
Unnamed tributary	Black Creek	04120310					
Unnamed tributary	Little Bear Creek	04122105					
White River	Lake Michigan	04122205					
NEWAYGO COUNTY							
Black Creek	White River	04122184					
Brookings Lake Outlet	Tank Creek	04122415					
Brooks Creek	Muskegon River	04122010					
Daisy Creek	Fremont Lake	04122035	04122040				
East Branch Held Creek	Martin Creek	04122190					
Fivemile Creek	White River	04122170	04122172				
Flinton Creek	White River	04122174					
Fremont Lake Outlet	Brooks Creek	04122044	04122045				
Hess lake Outlet	Muskegon River	04122005					
Little S Branch Pere Marquette River	Pere Marquette River	04122275	04122280				
Martin Creek	White River	04122189	04122191	04122192			
Mena Creek	White River	04122186	04122187				
Muskegon River	Muskegon Lake	04122025					
Pentwater River	Lake Michigan	04122235					
Second Cole Creek	White River	04122181					
White River	Lake Michigan	04122160	04122162	04122164	04122166	04122168	04122176
		04122178	04122180	04122182	04122183	04122185	04122188
		04122193					
Wright's Creek	White River	04122194					
OAKLAND COUNTY							
Buckhorn Creek	Shiawassee River	04143790	04143800				
Clinton River	Lake St. Clair	04160750	04160756	04160850	04160945	04160950	04160975
		04161115	04161830				
Congdon Drain	Norton Creek	04169645					
Davis Creek	Huron River	04170795	04170800				
Dear Lake Outlet	Clinton River	04160760					
Duck Creek	Kearsley Creek	04148030					
Elizabeth Lake Outlet	Clinton River	04160940					
Franklin Branch	River Rouge	04166030	04166040				
Galloway Creek	Clinton River	04161060	04161090	04161100	04161110		
Gibson Drain	Plum Brook	04163395					
Hayes Creek	Huron River	04169505	04169525				
Hummer Lake Outlet	Kearsley Creek	04148010					
Huron River	Lake Erie	04168800	04168850	04168900	04168901	04168905	04168907
		04168910	04168920	04169500	04169550	04169600	04169605
Judah Lake Inlet	Sashabaw Creek	04160792					
Judah Lake Outlet	Sashabaw Creek	04160795					
Kearsley Creek	Flint River	04148015	04148020				
Lawson Drain	Red Run	04161998					
Loon Lake Outlet	Norton Creek	04169670					
Mann Creek	Woodruff Creek	04170510	04170513				

STATION NAME	TRIBUTARY TO	STATION NUMBER
OAKLAND COUNTY--CONTINUED		
McClure Drain	Stony Lake	04161770
Minnow Pond Drain	Upper River Rouge	04166290
Mud Lake Outlet	Swartz Creek	04148197
Norton Creek	Huron River	04169635 04169650 04169662 04169690 04169700
Paint Creek	Clinton River	04161493 04161495
Paint Creek Drain	Paint Creek	04161300
Parke Lake Inlet	Parke Lake	04160752
Parke Lake Outlet	Clinton River	04160758
Pebble Creek	Middle River Rouge	04166090
Pettibone Creek	Huron River	04169930 04169940 04169950
Red Run	Clinton River	04162000
Sargent Creek	Paint Creek	04161538
Sashabaw Creek	Clinton River	04160790
Seven Lakes Outlet	Swartz Creek	04148215
Shiawassee River	Saginaw River	04143700 04143828 04143830
South Branch Flint River	Flint River	04145900
Stony Creek	Clinton River	04161565 04161570 04161801
Swartz Creek	Flint River	04148188 04148190 04148192 04148195 04148210 04148212 04148250
Thread Creek	Swartz Creek	04148350 04148375 04148380
Trout Creek	Paint Creek	04161520 04161524
Unnamed tributary	Clinton River	04160980
Unnamed tributary	Gallager Lake outlet	04169680
Unnamed tributary	Galloway Creek	04161095 04161105
Unnamed tributary	Inchwagh Lake	04170815
Unnamed tributary	Norton Creek	04169660
Unnamed tributary	River Rouge	04165987 04165990
Unnamed tributary	Shiawassee River	04143820
Unnamed tributary	Stony Creek	04161568
Unnamed tributary	Trout Creek	04161522
Walled Lake Branch	Upper River Rouge	04166595 04166600
West Branch Stony Creek	Stony Lake	04161598 04161600 04161610 04161760
Yerkes Drain	Inchwagh Lake	04170825 04170830
OCEANA COUNTY		
North Branch Pentwater River	Pentwater River	04122230 04122233
Pentwater River	Pentwater Lake	04122223
Silver Lake Outlet	Lake Michigan	04122210
White River	Lake Michigan	04122195
OGEMAW COUNTY		
Ammond Creek	Prior Creek	04139900
Andrews Creek	Mayhue Creek	04138624
Au Gres River	Lake Huron	04138400
Bailer Creek	Prior Creek	04139870
Barber Creek	Bixby Creek	04138695
Bixby Creek	Houghton Creek	04138700
Brewery Creek	Ogemaw Creek	04141355
Crane Creek	Crapo Creek	04141250
Crapo Creek	Rifle River	04141200
Eddy Creek	West Branch Rifle River	04141370 04141375
Gamble Creek	Rifle River	04138560 04138580 04138600 04138602 04138615 04138650 04138655
Henderson Lake Outlet	Rifle River	04139620
Houghton Creek	Rifle River	04138690 04138710 04138790 04138800 04138810 04138820 04138950
Klacking Creek	Rifle River	04140140 04140200 04140250 04140300 04140400
Krug Creek	Wilkins Creek	04138846
Little Klacking Creek	Klacking Creek	04140150 04140160
Mayhue Creek	Oyster Creek	04138622 04138635
Middle Branch Tittabawassee River	Tittabawassee River	04152010
North Branch Ammond Creek	Ammond Creek	04139895
North Branch Prior Creek	Prior Creek	04139850
Ogemaw Creek	West Branch Rifle River	04141350 04141360
Oyster Creek	Gamble Creek	04138617 04138620 04138621 04138645
Prior Creek	Rifle River	04139690 04139700 04139800 04139880
Rifle Creek	West Branch Rifle River	04141300
Rifle River	Lake Huron	04138670 04139520 04139550 04139600 04139650 04141110
Sandback Creek	Houghton Creek	04138750
Shepards Creek	Rifle River	04141100
Skunk Creek	Rifle River	04139508 04139510
South Branch Ammond Creek	Ammond Creek	04139890
Unnamed tributary	Rifle River	04139540
Vaughn Creek	Gamble Creek	04138605 04138607 04138610
West Branch Rifle River	Rifle River	04141500
Wilkins Creek	Houghton Creek	04138840 04138850 04138900 04138930
ONTONAGON COUNTY		
Adventure Creek	East Branch Ontonagon River	04034900
Baltimore River	Middle Branch Ontonagon River	04034690
Clear Creeek	Baltimore River	04034700
Cranberry River	Lake Superior	04032520
Cunningham Creek	Potato River	04032530
Deadman Creek	Bond Falls Reservoir	04033100
Deer Creek	Potato River	04032525
East Branch Firesteel River	Firesteel River	04040115
Firesteel River	Lake Superior	04040120
Flintsteel River	Lake Superior	04040100

STATION NAME	TRIBUTARY TO	STATION NUMBER
ONTONAGON COUNTY--CONTINUED		
Iron River	Lake Superior	04032505
Little Carp River	Lake Superior	04032180
Little Iron River	Lake Superior	04032450
Merriweather Creek	Lake Gogebic	04035990
Mineral River	Lake Superior	04032510 04032515
Misery River	Lake Superior	04040175
Ontonagon River	Lake Superior	04040020
Potato River	Lake Superior	04032533
Presque Isle River	Lake Superior	04032100
Trout Creek	Middle Branch Ontonagon River	04034550
West Branch Firesteel River	Firesteel River	04040110
OSCEOLA COUNTY		
Beaver Creek	Pine River	04125010 04125030
Coe Creek	Pine River	04125115 04125125
Dyers Creek	Coe Creek	04125120
East Branch Pine River	Pine River	04124460 04124495
Hersey River	Muskegon River	04121600 04121605 04121615 04121620
Little Beaver Creek	Beaver Creek	04125020
Middle Branch River	Muskegon River	04121400
North Branch Pine River	Pine River	04124415 04124435 04124440 04124450
Pine River	Manistee River	04124510 04125000
Rose Lake Outlet	East Branch Pine River	04124470
Sprague Creek	Pine River	04124520
OSCODA COUNTY		
Antler Creek	Au Sable River	04136220
Au Sable River	Lake Huron	04136200 04136550
Big Creek	Au Sable River	04135950
Honeywell Creek	Au Sable River	04136230 04136240
Unnamed tributary	Au Sable River	04136210
OTSEGO COUNTY		
Black River	Black Lake	04130030 04130040 04130045 04130047
Frenchman Creek	Manistee River	04123468
Manistee River	Manistee Lake	04123460 04123463 04123465
North Branch Au Sable River	Au Sable River	04135750 04135759 04135764 04135765
Pigeon River	Mullett Lake	04128850 04128980 04128987 04128990 04128995 04129005 04129020
Sturgeon River	Burt Lake	04127980 04127982 04127984
Turtle Creek	North Branch Au Sable River	04135762
OTTAWA COUNTY		
Bosch and Hulst Drain	Macatawa River	04108810 04108812
Crockery Creek	Grand River	04120100
Crockery Lake Outlet	North Branch Crockery Creek	04120020
Grand River	Lake Michigan	04119300
Macatawa River	Lake Michigan	04108802 04108815
North Branch Crockery Creek	Crockery Creek	04120021
North Branch Macatawa River	Macatawa River	04108805
Pine Creek	Lake Macatawa	04108840
Rush Creek	Grand River	04119220
Sand Creek	Grand River	04119240 04119243 04119247 04119249 04119250
Unnamed tributary	Macatawa River	04108825
Unnamed tributary	Unnamed tributary	04108830
PRESQUE ISLE COUNTY		
Grand Lake Outlet	Lake Huron	04132170
Healy Creek	W. Branch Upper Rainy River	04130625
Lake Nettie Outlet	Ocqueoc River	04132150
Ocqueoc River	Lake Huron	04132160
Trout River	Lake Huron	04132165
West Branch Upper Rainy River	Rainy Lake	04130605 04130615 04130630
ROSCOMMON COUNTY		
Backus Creek	Houghton Lake	04120550 04120570
Backus Creek ("The Cut")	Houghton Lake	04120590
Bear Creek	Muskegon River	04121005
Big Creek	Higgins Lake	04120480
Dead Stream	Muskegon River	04120915
Denton Creek	Houghton Lake	04120740
Higgins Lake Outlet	Marl Lake	04120500
Knappen Creek	Houghton Lake	04120780
Lake St. Helen Outlet	South Branch Au Sable River	04135640 04135645
Muskegon River	Muskegon Lake	04120900
Robinson Creek	South Branch Au Sable River	04135670
South Branch Au Sable River	Au Sable River	04135675
Spring Brook	Houghton Lake	04120690
Sucker Creek	Houghton Lake	04120865
Tank Creek	South Branch Au Sable River	04135678
Town Line Creek	Muskegon River	04121155

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ROSCOMMON COUNTY--CONTINUED

STATION NAME	TRIBUTARY TO	STATION NUMBER
Unnamed tributary	Houghton Lake	04120600 04120610 04120620 04120630 04120640 04120650 04120670 04120785 04120790 04120795 04120800 04120805 04120810 04120815 04120820 04120825 04120830 04120835 04120840 04120850 04120855 04120860 04120870 04120875 04120880
Unnamed tributary	Muskegon River	04120890 04120895 04120910
West Branch Tittabawassee River	Tittabawassee River	04152040

SAGINAW COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER
Bad River	Shiawassee River	04145500 04145600 04145701
Bear Creek	Shiawassee River	04145765 04145766
Beaver Creek	Bad River	04145715 04145725 04145727
Birch Run	Ferguson Bayou	04149508 04149510
Carson Drain	Pickerel Creek	04145741
Cass River	Saginaw River	04151490 04151495 04151640 04151700 04152002
Cole Ditch	Shiawassee River	04149012
Dead Creek	Cass River	04151600 04151620
Deer Creek	Shiawassee River	04144998
Flint River	Shiawassee River	04148770 04149010 04149500
Kochville Drain	Saginaw River	04157036
Marsh Creek	Shiawassee River	04145775 04145780 04145803
McClellan Run	Swan Creek	04145789 04145790
Misteguay Creek	Flint River	04149370 04149410 04149425 04149430 04149440
Peart Drain	Misteguay Creek	04149460
Pickerel Creek	Bad River	04145735 04145737
Pine Run	Flint River	04148815 04148820
Potato Creek	South Fork Bad River	04145655
Saginaw River	Lake Huron	04156990 04157010
Shiawassee River	Saginaw River	04145760
Silver Creek	Flint River	04148920 04148940 04148950
South Fork Bad River	Bad River	04145650 04145700
Swan Creek	Marsh Creek	04145795 04145800
Tittabawassee River	Saginaw River	04156500 04156505 04156510
Watercourse Creek	Durussell Drain	04157077
Williams Creek	Swan Creek	04145793
Wolf Creek	Bad River	04145750

SANILAC COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER
Arnot Creek	Black River	04159270
Berry Drain	Black River	04159170
Bishop Creek	Black River	04159140
Black Creek	Black River	04159445 04159470 04159480
Black River	St. Clair River	04159134 04159145 04159150 04159177 04159180 04159250 04159265 04159290 04159292 04159300 04159481 04159482 04159483
Carrol Drain	Black River	04159135
Duff Creek	Cass River	04149675 04149680 04149685 04149690 04149695 04149700
E Branch Speaker-Maple Valley Drain	Elk Creek	04159202
Elk Creek	Black River	04159190 04159200 04159210 04159230 04159235 04159240
Frizzle Drain	Elk Creek	04159215
Fye Drain	Berry Drain	04159175
Potts Drain	Elk Creek	04159222 04159225
South Branch Cass River	Cass River	04149800
Spring Creek Drain	Potts Drain	04159223 04159224

SCHOOLCRAFT COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER
Bear Creek	Big Murphy Creek	04056795
Big Murphy Creek	Indian River	04056780 04056800 04056890
Big Spring	Indian Lake	04056900
Camp 83 Creek	Indian River	04056727
Clark Ditch	Holland Creek	04049100
Corner Lake Outlet	Deep Lake	04056705
Creighton River	West Branch Manistique R.	04055500
Deer Creek	Indian River	04056713
Delias Run	Indian River	04056733
Driggs River	Manistique River	04052000
Duck Creek	Manistique River	04054400
Dufour Creek	Indian Lake	04056950
East Branch Fox River	Fox River	04048200
Fox River	Manistique River	04048000
Grays Creek	Manistique River	04050500
Grays Creek Spillway	Manistique River	04050400
Gulliver Lake Outlet	Lake Michigan	04046400
Holland Creek	Manistique River	04049000 04049200
Indian River	Manistique River	04056710 04056715 04056725 04056730 04056738 04056740 04056750
Little Indian River	Indian River	04056719 04056721 04056723
Little Murphy Creek	Indian River	04056745 04056747
Marsh Creek	Manistique River	04053500
McDonald Lake Outlet	Lake Michigan	04046385 04046390
Mead Creek	Manistique River	04053300
Mezik Creek	Manistique River	04054200
Pine Creek	Manistique River	04051000
Sand Creek	Pine Creek	04051500
Stutts Creek	West Branch Manistique R.	04055930
Thompson Creek	Lake Michigan	04057040 04057052 04057058
Thompson Spring	Thompson Creek	04057050
Walsh Creek	Driggs River	04052500
Williams Creek	Thompson Creek	04057055

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SHIAWASSEE COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER
Bear Creek	Maple River	04114570
Holly Drain	Shiawassee River	04144050
Kellogg Drain	Looking Glass River	04114165
Looking Glass River	Grand River	04114150 04114200 04114203
Looking Glass River Diversion	Grand River	04114202
Misteguay Creek	Flint River	04149320 04149340
Perry #2 Drain	Kellogg Drain	04114153 04114154 04114157 04114160
Shiawassee River	Saginaw River	04144055 04144520
South Branch Shiawassee River	Shiawassee River	04143995
Webb Creek	Shiawassee River	04144230 04144240

ST. CLAIR COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER
Appley Drain	S. Br. Pine River	04160310
Baird Drain	Belle River	04160630
Beaubien Creek	Lake St. Clair	04160645
Belle River	St. Clair River	04160578 04160580 04160581 04160593 04160595 04160600 04160615 04160620 04160625
Big Creek	Pine River	04160332
Black River	St. Clair River	04159500 04160050 04160075
Cox Doty Drain	Belle River	04160584
Emmet Drain	Pine River	04160180
Howe Drain	Black River	04160070
Jerome Creek	Belle River	04160618
Lemon Drain	Belle River	04160590
Lovejoy Drain	South Branch Mill Creek	04159865
Marsac Creek	Lake St. Clair	04160670
Marsh Drain	St. Clair River	04160640
Meldrum Drain	Swan Creek	04160660
Middleton Drain	Mill Creek	04159875
Mill Creek	Black River	04159890 04159891 04159893 04159898 04159900 04159950 04160000
Moak Drain	Pine River	04160395
Moore Creek	Appley Drain	04160317
Neaton Drain	South Branch Pine River	04160323
North Branch Mill Creek	Mill Creek	04159800
O'Dette Drain	Black River	04159510
Pine River	St. Clair River	04160170 04160195 04160200 04160325 04160350 04160393 04160400
Plum Creek	Black River	04159499
Rattle Run	Pine River	04160387 04160388 04160390
Sage Creek	Belle River	04160599
Sheehy Drain	Mill Creek	04159895
Silver Creek	Black River	04159487 04159490
Smiths Creek	Pine River	04160340 04160346
South Branch Mill Creek	Mill Creek	04159850 04159880
South Branch Pine River	Pine River	04160300 04160303 04160320
Swan Creek	Lake St. Clair	04160650 04160655 04160656
Unnamed tributary	Belle River	04160592

ST. JOSEPH COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER
Fawn River	St. Joseph River	04098400 04098502 04098640
Flowerfield Creek	Rocky River	04097370
Klinger Lake Outlet	Fawn River	04098635
Perrin Lake Outlet	Prairie River	04097537
Portage River	St. Joseph River	04097340 04097343 04097345
Prairie River	St. Joseph River	04097630
Rocky River	St. Joseph River	04097480 04097482 04097493 04097495
Sherman Mill Creek	Fawn River	04098610 04098620 04098630
Spring Creek	Flowerfield Creek	04097380
St. Joseph River	Lake Michigan	04096800 04097000
Swan Creek	St. Joseph River	04096766 04096767
White Pigeon River	St. Joseph River	04099100 04099110 04099112

TUSCOLA COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER
Cass River	Saginaw River	04150610 04150990 04151020 04151210
Center Drain	Cass River	04150510
Evergreen Creek	Cass River	04150870
Goodings Creek	Cass River	04151030
Indian Creek	North Branch Flint River	04146170
Millington Creek	Cass River	04151035 04151040 04151045 04151050
Moore Drain	Cass River	04151005 04151010 04151015
O'Brien Drain	Cass River	04150850
Perry Creek	Cass River	04151200
Squaw Creek	Durussell Drain	04157080
Sucker Creek	Cass River	04150700 04150705
Unnamed tributary	Durussell Drain	04157088
White Creek	Cass River	04150600

VAN BUREN COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER
Barber Creek	Middle Branch Black River	04102770
Black River Extension Drain	South Branch Black River	04102575
Brandywine Creek	Lake Michigan	04102540
Brandywine Creek	North Branch Paw Paw River	04102240 04102250 04102260
Brownwood Lake Outlet	Carter Creek	04102322
Brush Creek	Paw Paw River	04102350 04102370
Butternut Creek	South Branch Black River	04102725
Cedar Creek	South Branch Black River	04102720

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Station Name	Tributary to	Station number
Van Buren County--Continued		
Clear Lake Outlet	Base Line Creek	04107730
Cook Drain	East Branch Paw Paw River	04102177
Deerlick Creek	Lake Michigan	04102545
Dowagiac Drain	Dowagiac River	04101507 04101514
Eagle Lake Drain	South Branch Paw Paw River	04102139 04102140
East Branch Paw Paw River	South Branch Paw Paw River	04102165 04102170 04102171 04102172 04102178 04102179 04102180
Eastman Creek	South Branch Black River	04102710
Gravel Lake Outlet	Dowagiac Creek	04101570
Great Bear Lake Drain	South Branch Black River	04102587 04102589 04102590
Lake of the Woods Drain	Dowagiac River	04101519 04101524
Little Cedar Lake Outlet	Dowagiac Creek	04101563
Maple Brook	South Branch Black River	04102630
Melvin Creek	Middle Branch Black River	04102750
Middle Fork Black River	Black River	04102735
Mud Lake Drain	Paw Paw River	04102412
North Branch Paw Paw River	Paw Paw River	04102210 04102212 04102220 04102270
North Extension Drain	Brandywine Creek	04102246
Osborn Drain	Dowagiac River	04101530
Paw Paw River	St. Joseph River	04102392 04102408
Pine Creek	Kalamazoo River	04107740
Pine Creek	Paw Paw River	04102429 04102430
Red Creek	Brush Creek	04102360
South Branch Black River	Black River	04102618 04102620 04102705 04102730 04102731
South Branch Paw Paw River	Paw Paw River	04102143 04102145 04102148 04102150 04102192 04102200
Three Mile Lake Drain	S. Br. Paw Paw River	04102147
Unnamed tributary	North Branch Paw Paw River	04102217
Unnamed tributary	South Branch Black River	04102640
Washtenaw County		
Allen Creek	Huron River	04174510
Arms Creek	Huron River	04172200
Bauer Drain	Saline River	04176355
Fleming Creek	Huron River	04174680 04174710
Fourmile Lake Outlet	North Fork Mill Creek	04173335
Fowler Creek	Lower River Rouge	04167330
Haas Drain	Mill Creek	04173252
Honey Creek	Huron River	04174290 04174295 04174300
Horseshoe Lake Outlet	Huron River	04172105 04172110
Huron River	Lake Erie	04174000 04174800
Iron Creek	River Raisin	04175640 04175650
Johnson Drain	Middle River Rouge	04166645 04166650
Koch-Warner Drain	Saline River	04176395 04176399
Letts Creek	North Fork Mill Creek	04173318 04173320 04173321
Lower River Rouge	River Rouge	04167290
Mill Creek	Huron River	04173150 04173230 04173250 04173254 04173550
North Fork Mill Creek	Mill Creek	04173300 04173310 04173330 04173340 04173342 04173343
North Fork Mill Creek	Mill Creek	04173350
O'Connor Drain	Horseshoe Lake	04172050
Paint Creek	Stony Creek	04175315 04175328 04175330
Pittsfield Drain	Huron River	04174515 04174517 04174518
Pittsfield Drain	Koch-Warner Drain	04176398
Pleasant Lake Extension Drain	Mill Creek	04173153 04173155
Polzin Drain	Stony Creek	04175345
Portage Creek	Huron River	04172250
Portage Lake Outlet	Huron River	04172605 04172606
Portage River	Huron River	04172600
River Raisin	Lake Erie	04175597 04175600 04175610 04175625 04175626 04175630
Saline River	River Raisin	04176345 04176350 04176365 04176375 04176385 04176390 04176400 04176420
Saline- Bridgewater Drain	Saline River	04176349
South Lake Outlet	Portage Creek	04172400
Stony Creek	Lake Erie	04175280 04175338
Sugar Creek	Stony Creek	04175290
Swift Run Drain	Huron River	04174519 04174520
Tobin Lake Outlet	Davis Creek	04170900
Unnamed tributary	Fleming Creek	04174690
Unnamed tributary	Huron River	04174030
Unnamed tributary	Mill Creek	04173400
Unnamed tributary	North Fork Mill Creek	04173347
Unnamed tributary	River Raisan	04175598 04175620
Unnamed tributary	Saline River	04176370 04176405
Winnewana Impoundment Outlet	Portage River	04109400
Wood Outlet Drain	Saline River	04176380
Wayne County		
Bell Branch	Upper River Rouge	04166400 04166450
Blakely Drain	Marsh Creek	04168675
Bradshaw Drain	Swan Creek	04175140
Brownstown Creek	Detroit River	04168668
Ecorse River	Detroit River	04168576 04168585
Fellows Creek	Lower River Rouge	04167598 04167600
Fowler Creek	Lower River Rouge	04167340
Frank and Poet Drain	Detroit River	04168655 04168662
Griggs Drain	Huron River	04175020
Huron River	Lake Erie	04175010 04175023 04175100
Johnson Drain	Middle River Rouge	04166700
Lower River Rouge	River Rouge	04167268 04167300 04167342 04167500 04168100 04168400
Marsh Creek	Brownstown Creek	04168682

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WAYNE COUNTY--CONTINUED

STATION NAME	TRIBUTARY TO	STATION NUMBER					
Middle River Rouge	River Rouge	04166730	04166735	04166740	04166745	04166747	04166750
		04166752	04166760	04166780	04167100		
North Branch Swan Creek	Swan Creek	04175195					
River Rouge	Detroit River	04166230	04168516	04168520	04168550		
Silver Creek	Huron River	04175125					
South Branch Ecorse River	Ecorse River	04168594	04168595				
Tarabusi Creek	Bell Branch	04166420					
Tonquish Creek	Middle River Rouge	04166795	04166900				
Upper River Rouge	River Rouge	04166350	04166470				
Walled lake Branch	Johnson Drain	04166610					
Willow Creek	Tonquish Creek	04166800					
Willow Run	Huron River	04174950					

WEXFORD COUNTY

STATION NAME	TRIBUTARY TO	STATION NUMBER					
Anderson Creek	Manistee River	04123910					
Brandy Creek	Clam River	04121190					
Clam River	Muskegon River	04121235	04121237	04121239	04121241	04121243	04121244
		04121245	04121247				
Gyttja Lake Outlet	Clam River	04121195					
Hoxey Creek	Pine River	04125380					
Manton Creek	Manistee River	04123800	04123810				
Mitchell Creek	Clam River	04121185					
Negro Creek	North Branch Pine River	04124420	04124425	04124430			
North Branch Pine River	Pine River	04124410					
Pine River	Manistee River	04125450	04125460				
Poplar Creek	Pine River	04125250	04125300	04125320	04125340	04125350	
Slagle Creek	Manistee River	04124210	04124215	04124220	04124240		
Spalding Creek	North Branch Pine River	04124400	04124405	04124405	04124405	04124405	04124405

* U.S. GOVERNMENT PRINTING OFFICE: 1986 556-739